

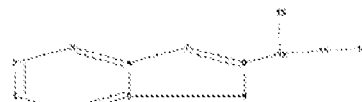
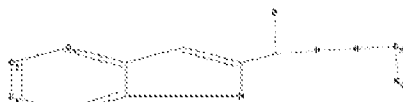
10/591,895

\*\*\*\*\* Welcome to STN International \*\*\*\*\*  
\*\*\*\*\* STN Columbus \*\*\*\*\*

FILE 'HOME' ENTERED AT 15:18:29 ON 01 JUN 2010

=> file reg

=>Uploading C:\Program Files\Stnexp\Queries\Queries\10591895.str



chain nodes :

12 13 15 16 18 20

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

8-12 12-13 12-15 15-16 16-18 18-20

ring bonds :

1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-9 7-8 8-9

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-9 7-8 8-9 8-12 12-13 12-15 15-16 16-18  
18-20

isolated ring systems :

containing 1 :

G1:C,N

G2:C,S

G3:O,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 12:CLASS  
13:CLASS 15:CLASS 16:CLASS 18:CLASS 20:CLASS

=> s l1 sam

L2 42 SEA SSS SAM L1

=> s l1 full

L3 946 SEA SSS FUL L1

=> file caplus

=> s l3

L4 88 L3

=> s l4 and pd< mar 2003

23754908 PD< MAR 2003

(PD&lt;20030300)

L5 59 L4 AND PD&lt; MAR 2003

=&gt; dis 15 1-59 bib abs hitstr

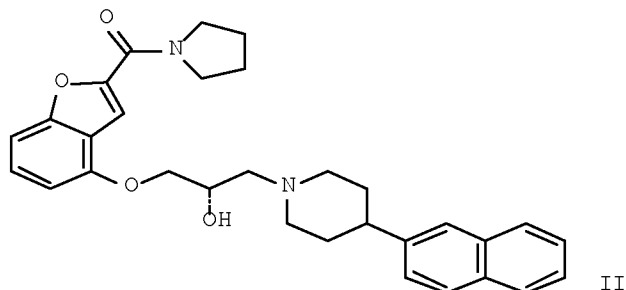
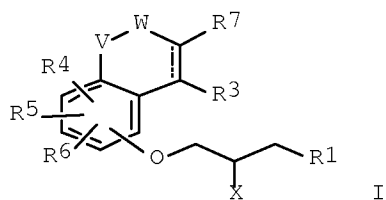
L5 ANSWER 1 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2008:492996 CAPLUS Full-text  
 DN 148:472052  
 TI Phenoxypropylamine compounds as %-HT reuptake inhibitors and their  
 preparation, pharmaceutical compositions and use in the treatment of  
 depression  
 IN Nishiyama, Akira; Bougauchi, Masahiro; Kuroita, Takanobu; Minoguchi,  
 Masanori; Morio, Yasunori; Kanzaki, Kouji  
 PA Mitsubishi Pharma Corporation, Japan  
 SO U.S. Pat. Appl. Publ., 162pp., Cont.-in-part of Appl. No.  
 PCT/JP2000/03279.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20020111358	A1	20020815	US 2001-990389	20011123 <--
	US 6720320	B2	20040413		
	WO 2000071517	A1	20001130	WO 2000-JP3279	20000522 <--
	W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK	
	RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG	
	ZA 2001010137	A	20030225	ZA 2001-10137	20011210 <--
	US 20040138227	A1	20040715	US 2003-740418	20031222
	US 7196199	B2	20070327		
PRAI	JP 1999-142750	A	19990524		
	JP 1999-166160	A	19990614		
	JP 1999-277384	A	19990929		
	JP 2000-18080	A	20000125		
	WO 2000-JP3279	A2	20000522		
	US 2001-990389	A3	20011123		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS CASREACT 148:472052; MARPAT 148:472052

GI



AB The invention relates to a phenoxypropylamine compound of the formula I wherein each symbol is as defined in the specification, an optically active compound thereof or a pharmaceutically acceptable salt thereof and hydrates thereof, which simultaneously show selective affinity for and antagonistic activity against 5-HT<sub>1A</sub> receptor, as well as 5-HT reuptake inhibitory activity, and can be used as antidepressants quick in expressing an anti-depressive effect. Compds. of formula I wherein dotted line is a single or double bond; X is H, OH, C1-6 alkoxy, acyloxy, and oxo; R<sub>1</sub> is spiropiperidine, N-substituted piperazine, substituted piperidine and substituted tetrahydropyridine; provided that when R<sub>1</sub> is N-substituted piperazine, X should not be H; R<sub>3</sub> is H, C1-18 alkyl, and halo; V is CH<sub>2</sub>, O, S, and NH and derivs.; W is CH<sub>2</sub> and CO; R<sub>7</sub> is C1-4 hydroxyalkyl, acyl, (un)substituted (un)saturated heterocycle, (un)substituted fused heterocycle, C1-4 alkylsulfonyl, etc.; R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub> are independently H, C1-18 alkyl, OH, C1-8 alkoxy, halo, acyl, NO<sub>2</sub>, and amino; R<sub>7</sub>W taken together to form a ring; provided that when R<sub>7</sub> and W forms a ring, R<sub>4</sub> - R<sub>6</sub> are not each OH and C1-6 alkoxy; pharmaceutically acceptable salts and hydrates thereof; are claimed. Example compound II was prepared by amidation of (S)-1-(4-glycidyloxybenzo[b]furan-2-ylcarbonyl)pyrrolidine with 4-(naphthalen-2-yl)piperidine. All the invention compds. were evaluated for their 5-HT reuptake inhibitory activity (some data given).

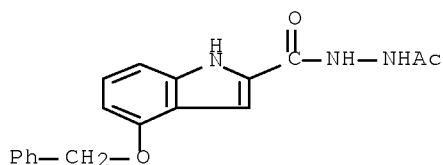
IT 1020271-40-2F

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; preparation of phenoxypropylamine compds. as 5-HT reuptake inhibitors useful in the treatment of depression)

RN 1020271-40-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 4-(phenylmethoxy)-, 2-acetylhydrazide (CA INDEX NAME)



L5 ANSWER 2 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2002:696000 CAPLUS Full-text  
 DN 137:226583  
 TI Peptide deformylase inhibitors  
 IN Xiang, Jia-Ning; Christensen, Siegfried B.; Lee, Jinhwa; Mercer, Daniel J.  
 PA Smithkline Beecham Corporation, USA  
 SO PCT Int. Appl., 95 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002070541	A2	20020912	WO 2002-US6275	20020301 <--
	WO 2002070541	A3	20021219		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2439827	A1	20020912	CA 2002-2439827	20020301 <--
	AU 2002335490	A1	20020919	AU 2002-335490	20020301 <--
	AU 2002335490	B2	20051020		
	EP 1363873	A2	20031126	EP 2002-748375	20020301
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	HU 2003003308	A2	20040128	HU 2003-3308	20020301
	CN 1505607	A	20040616	CN 2002-809257	20020301
	NZ 527728	A	20040924	NZ 2002-527728	20020301
	JP 2004537507	T	20041216	JP 2002-569860	20020301
	JP 4266638	B2	20090520		
	BR 2002007810	A	20080415	BR 2002-7810	20020301
	EG 24516	A	20090819	EG 2003-473	20030520
	NO 2003003828	A	20031006	NO 2003-3828	20030828
	US 20040087585	A1	20040506	US 2003-469433	20030828
	US 7019003	B2	20060328		
	MX 2003007869	A	20031204	MX 2003-7869	20030829
	IN 2003DN01386	A	20070330	IN 2003-DN1386	20030829
PRAI	US 2001-272570P	P	20010301		
	WO 2002-US6275	W	20020301		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 137:226583

AB Nobel peptide deformylase (PDF) inhibitors and novel methods for their use are provided. The PDF inhibitors can be used to treat bacterial infection.

IT 457896-21-8P 457896-76-3P

10/591,895

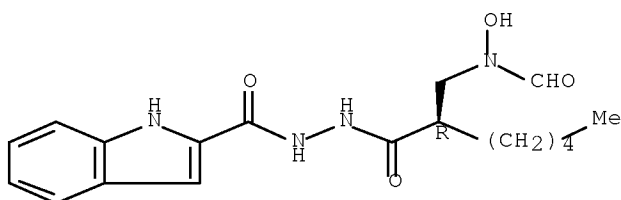
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(peptide deformylase inhibitors and their use to treat bacterial infection)

RN 457896-21-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-[(2R)-2-[(formylhydroxyamino)methyl]-1-oxoheptyl]hydrazide (9CI) (CA INDEX NAME)

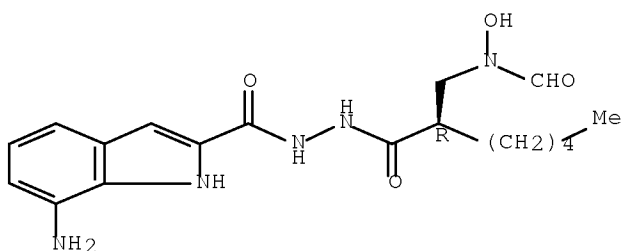
Absolute stereochemistry.



RN 457896-76-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 7-amino-, 2-[(2R)-2-[(formylhydroxyamino)methyl]-1-oxoheptyl]hydrazide (9CI) (CA INDEX NAME)

Absolute stereochemistry.



OSC.G 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2002:682715 CAPLUS Full-text

DN 137:363676

TI Changes in UCP2, PPAR $\gamma$ 2, and C/EBP $\alpha$  gene expression induced by a neuropeptide Y (NPY) related receptor antagonist in overweight rats

AU Margareto, J.; Rivero, I.; Monge, A.; Aldana, I.; Marti, A.; Martinez, J. A.

CS Department of Physiology and Nutrition, University of Navarra, Pamplona, Navarra, 31008, Spain

SO Nutritional Neuroscience (2002), 5(1), 13-17

CODEN: NNINFE; ISSN: 1028-415X

PB Taylor & Francis Ltd.

DT Journal

LA English

AB Neuropeptide Y (NPY), a peptide released by nervous cells, appears to contribute to adiposity regulation by increasing food intake and inhibiting

lipolysis. New NPY receptor related antagonists such as S.A.0204 are being developed as potential anti-obesity drugs affecting adipocyte lipid metabolism and thermogenesis. In this sense, those animals fed on a high-energy yielding (cafeteria) diet decreased body fat weight as compared to overweight controls, when they were administered with S.A.0204, and increased body temperature, which statistically correlated with high UCP2 mRNA expression levels in white adipose tissue. In addition, the in vivo NPY antagonist administration was able to prevent white adipose tissue growth in animals fed the cafeteria (high-fat) diet by impairing PPAR $\gamma$  and C/EBP $\alpha$  mRNA expression in white fat cells. In summary, this novel NPY related-antagonist S.A.0204 may regulate body fat deposition by affecting both energy dissipation and white adipose tissue deposition, representing a potential new pharmacol. strategy for obesity management.

IT 274934-35-9, S.A.0204

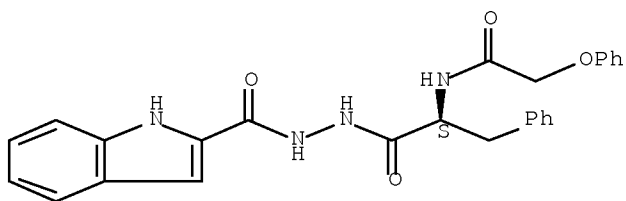
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(neuropeptide Y receptor antagonist change in energy dissipation and adipogenesis related factors UCP2, PPAR $\gamma$ 2, and C/EBP $\alpha$  gene expression in overweight rats and mechanisms thereof)

RN 274934-35-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-[1-oxo-2-[(2-phenoxyacetyl)amino]-3-phenylpropyl]hydrazide (CA INDEX NAME)

Absolute stereochemistry.



OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2002:679012 CAPLUS Full-text

DN 138:271646

TI Synthesis and reactions of certain 1,2,4-triazino[4,5-a]indoles

AU Ghoneim, K. M.; El-Fattah, B. Abd; Soliman, L. N.; El-Meligie, S.;  
El-Maaty, S. M. Abou

CS Organic Chemistry Department, Faculty of Pharmacy, Cairo University,  
Cairo, Egypt

SO Bulletin of the Faculty of Pharmacy (Cairo University) (2001),  
39(2), 11-21

CODEN: BFPHA8; ISSN: 1110-0931

PB Cairo University, Faculty of Pharmacy

DT Journal

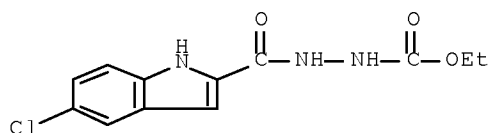
LA English

OS CASREACT 138:271646

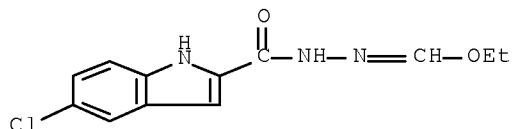
AB Condensation of 5-chloro-2-hydrazinocarbonylindole (IV) with certain aldehydes, Et chloroformate, ethylorthoformate and some Et ortho alkanooates afforded VI-3, VII, IX and XI,2 resp. Further reaction of VI-3 with Br<sub>2</sub>/AcOH gave the bromo derivs. VII-3, while treatment of VII with KOH yielded VIII. Meanwhile, hydrazinolysis of VIII and XI,2 took place on heating with excess

hydrazine. Reacting XI,2 with P2S5 furnished the thioxo derivs. XII,2 which on treatment with hydrazine gave rise to the hydrazine analogs XIII,2. Interacting XIII,2 with some aromatic carbonyl compds. and tri-Et ortho alkanoates brought about XIII,16 and XVI-6 resp. Reacting XIII with formic acid and acetylacetone yielded XVI and XVII resp. Also, Treating XII,2 with di-Et oxalate produced XVIII. Moreover, reacting XI with Et chloroacetate afforded the ester XIX which on reacting with hydrazine gave the hydrazide XX. Condensing the latter with different carbonyl compds. yielded XXII-4.

IT 87811-55-0P 503179-80-4P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (synthesis and reactions of 1,2,4-triazino[4,5-a]indole derivs.)  
 RN 87811-55-0 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(ethoxycarbonyl)hydrazide (CA  
 INDEX NAME)



RN 503179-80-4 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(ethoxymethylene)hydrazide (CA  
 INDEX NAME)



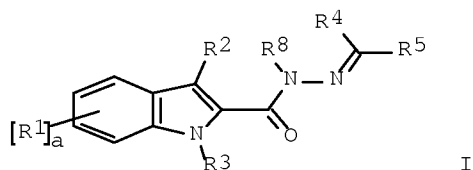
RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2002:522642 CAPLUS Full-text  
 DN 137:93684  
 TI Preparation of 3-substituted indole angiogenesis inhibitors  
 IN Bamaung, Nwe Y.; Craig, Richard A.; Kawai, Megumi; Wang, Jieyi; Dai,  
 Yujia; Guo, Yan; Sheppard, George; Verzal, Mary K.; Vasudevan, Anil;  
 Michaelides, Michael  
 PA USA  
 SO U.S. Pat. Appl. Publ., 49 pp.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20020091148	A1	20020711	US 2001-952603	20010914 <--
PRAI	US 2000-233390P	P	20000915		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT  
 OS MARPAT 137:93684

GI



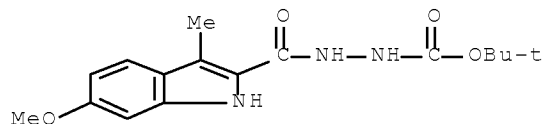
AB The title compds. [I; a = 0-4; R1 = alkoxy, NH<sub>2</sub>, halo, OH, NO<sub>2</sub>; R2 = alkenyl, alkyl, aryl, etc.; R3 = H, alkyl, N-protecting group; one of R4 and R5 = alkyl, aryl, arylalkyl, etc., and the other = H, alkyl; R8 = H, alkyl], useful in inhibiting angiogenesis and cancer, were prepared E.g., a multi-step synthesis of I [R1 = H; R2 = Ph; R3 = H; R4 = 4-MeOC<sub>6</sub>H<sub>4</sub>; R5, R8 = H] was described. The compds. I had IC<sub>50</sub> values between 9 nM and 60 μM with a preferred range of 0.1-0.5 μM and a most preferred range of 9-50 nM in HMVEC cell proliferation assays.

IT 441801-33-8

RL: RCT (Reactant); RACT (Reactant or reagent)  
(preparation of indolecarbohydrazides as angiogenesis inhibitors)

RN 441801-33-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 6-methoxy-3-methyl-,  
2-[(1,1-dimethylethoxy)carbonyl]hydrazide (CA INDEX NAME)



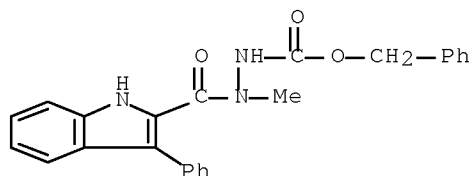
IT 441801-11-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)

(preparation of indolecarbohydrazides as angiogenesis inhibitors)

RN 441801-11-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3-phenyl-,  
1-methyl-2-[(phenylmethoxy)carbonyl]hydrazide (CA INDEX NAME)



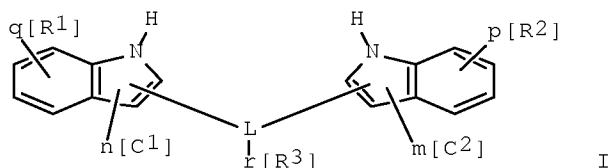
L5 ANSWER 6 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2002:368455 CAPLUS Full-text

DN 136:379071

TI Preparation of substituted bis-indole derivatives and their metal complexes useful as contrast agents, pharmaceutical compositions containing them and intermediates for producing them  
 IN Cresens, Erwin; Ni, Yicheng; Adriaens, Paul; Verbruggen, Alfons; Marchal, Guy  
 PA K.U. Leuven Research & Development, Belg.  
 SO PCT Int. Appl., 75 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002038546	A1	20020516	WO 2001-BE192	20011107 <--
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	GB 2368843	A	20020515	GB 2000-27249	20001108 <--
	AU 2002018075	A	20020521	AU 2002-18075	20011107 <--
	EP 1343758	A1	20030917	EP 2001-993601	20011107
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	CN 100352805	C	20071205	CN 2001-821823	20011107
	US 20040053911	A1	20040318	US 2003-416043	20031023
	US 7081472	B2	20060725		
PRAI	GB 2000-27249	A	20001108		
	GB 2001-20659	A	20010828		
	WO 2001-BE192	W	20011107		
OS	MARPAT 136:379071				
GI					



AB The preparation is described for metal-complexable substituted bis-indole derivs. comprising the structure shown in formula (I) and its enantiomers, pharmaceutically acceptable salts and metal complexes, where L is a bond or linking group, C1 and C2 are metal complexing substituents with  $m + n = 1$  or 2, and the remaining substituents (R1, R2, R3) and coeffs. (p, q and r) are as defined within the document, for use as contrast agents. Thus, the gadolinium bis(indole)-DTPA derivative complex  $\text{Na}_2[\text{Gd}_2\text{L}']$  [ $\text{L}' = \text{I}$  with  $\text{L} = 3,3'\text{-PhCH}$ ,  $\text{R}_1 = \text{R}_2 = \text{R}_3 = \text{H}$ ,  $\text{C}_1 = \text{C}_2 = 2(2')\text{-}$

10/591,895

CONHNHCH<sub>2</sub>N(CH<sub>2</sub>CO<sub>2</sub>H)CH<sub>2</sub>CH<sub>2</sub>N(CH<sub>2</sub>CO<sub>2</sub>H)CH<sub>2</sub>CH<sub>2</sub>N(CH<sub>2</sub>CO<sub>2</sub>H)<sub>2</sub>, m = n = 1] was prepared and tested as an MRI contrast agent.

IT 424838-59-5P

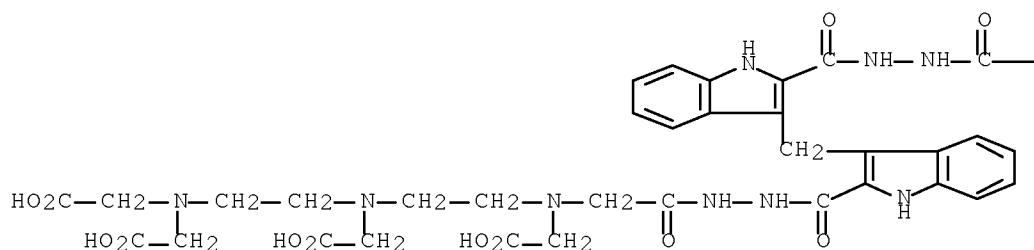
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate product in preparation of bis(indole) derivs. and their metal complexes as contrast agents)

RN 424838-59-5 CAPLUS

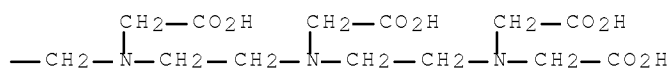
CN 1H-Indole-2-carboxylic acid, 3,3'-methylenebis-, bis[2-[[[2-[[2-[bis(carboxymethyl)amino]ethyl](carboxymethyl)amino]ethyl](carboxymethyl)amino]acetyl]hydrazide], octasodium salt (9CI) (CA INDEX NAME)

PAGE 1-A



●8 Na

PAGE 1-B



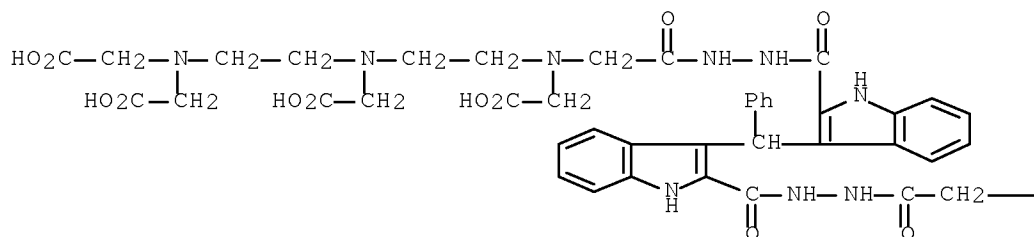
IT 424838-55-1P 424838-64-2P 424838-67-5P  
424838-68-6P 424838-69-7P 424838-70-0P  
424838-71-1P

RL: DGN (Diagnostic use); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

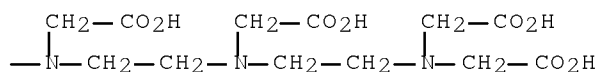
(preparation of bis(indole) derivs. and their metal complexes as contrast agents)

RN 424838-55-1 CAPLUS

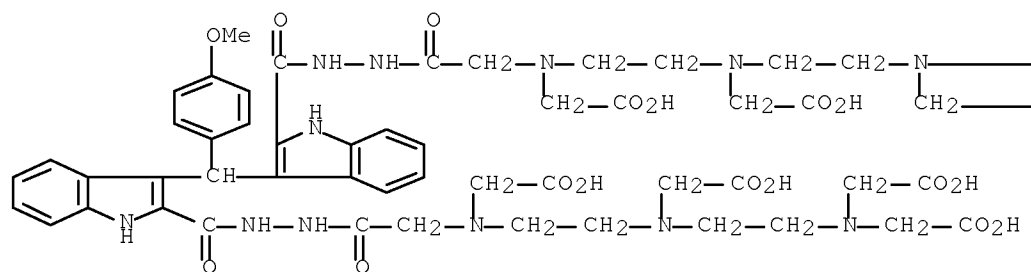
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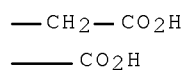
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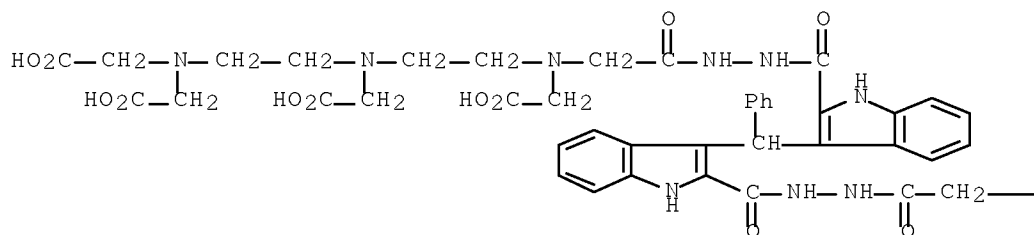


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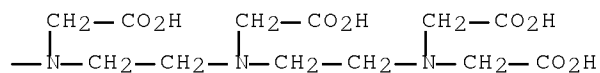


RN 424838-67-5 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 3,3'-(phenylmethylene)bis-,  
 bis[2-[[[2-[[2-bis(carboxymethyl)amino]ethyl](carboxymethyl)amino]ethyl](  
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PAGE 1-A

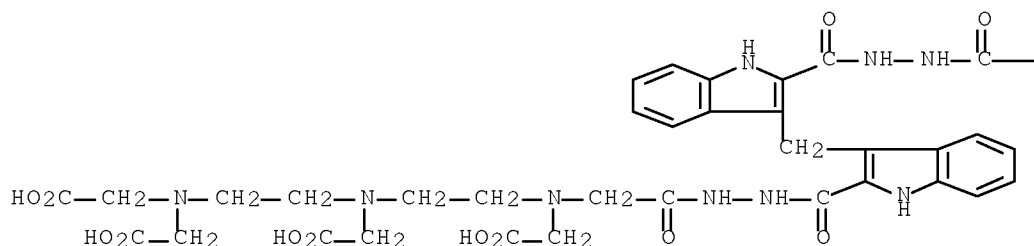


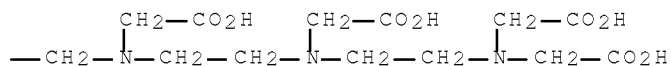
PAGE 1-B



RN 424838-68-6 CAPLUS  
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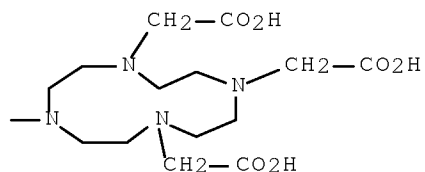
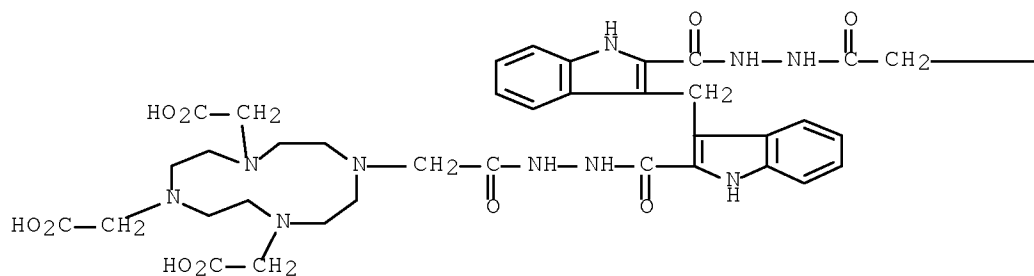
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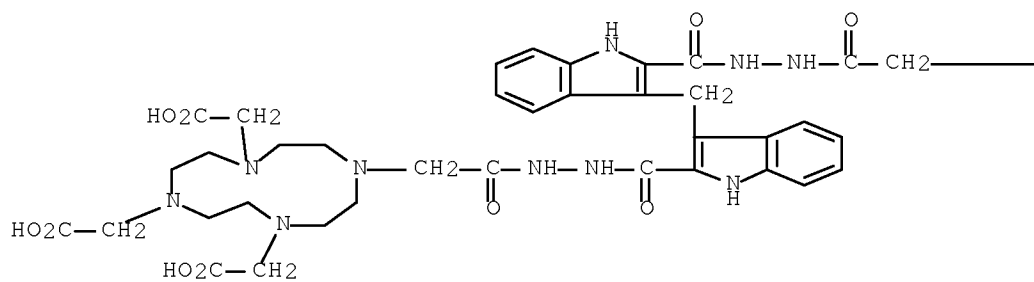
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CN 1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetic acid,  
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INDEX NAME)

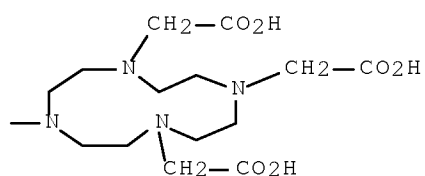


RN 424838-70-0 CAPLUS

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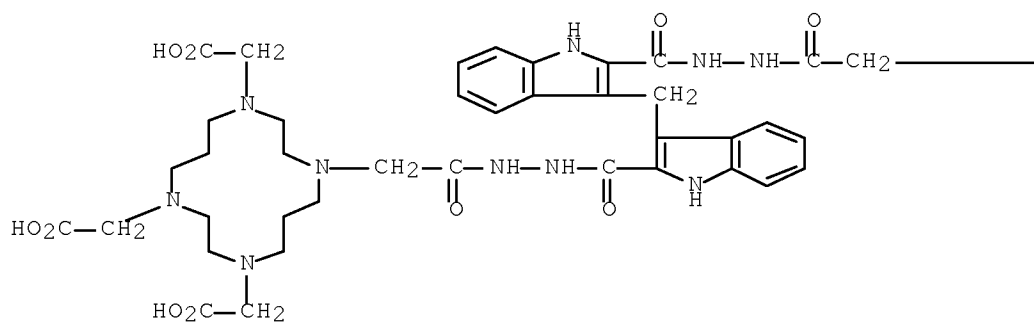


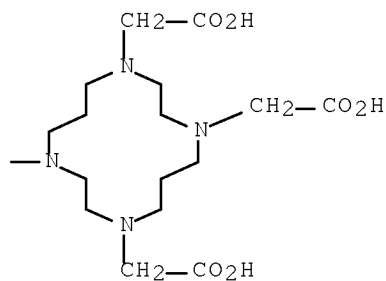
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RN 424838-71-1 CAPLUS

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 INDEX NAME)

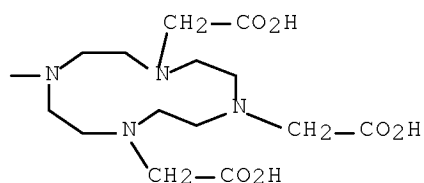
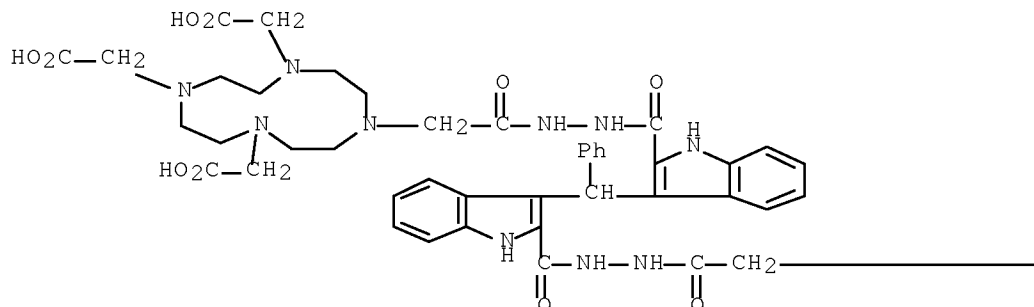




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      424838-68-6DP, metal complexes      424838-69-7DP, metal
      complexes      424838-71-1DP, metal complexes
      RL: DGN (Diagnostic use); SPN (Synthetic preparation); BIOL (Biological
      study); PREP (Preparation); USES (Uses)
      (preparation of bis(indole) derivs. and their metal complexes as contrast
      agents)
RN      424838-61-9      CAPLUS
CN      1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetic acid,
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      (CA INDEX NAME)

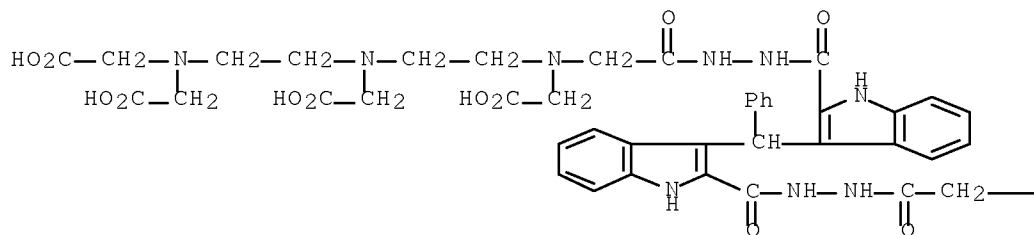
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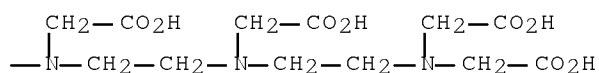
RN 424838-67-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3,3'-(phenylmethylene)bis-,  
bis[2-[[[2-[[2-[bis(carboxymethyl)amino]ethyl](carboxymethyl)amino]ethyl](carboxymethyl)amino]acetyl]hydrazide] (9CI) (CA INDEX NAME)

PAGE 1-A



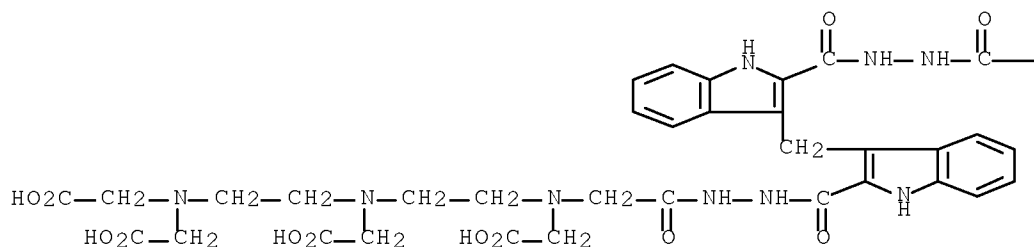
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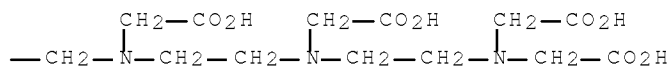
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CN 1H-Indole-2-carboxylic acid, 3,3'-methylenebis-,  
bis[2-[[[2-[[2-[bis(carboxymethyl)amino]ethyl](carboxymethyl)amino]ethyl](carboxymethyl)amino]acetyl]hydrazide] (9CI) (CA INDEX NAME)

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PAGE 1-B



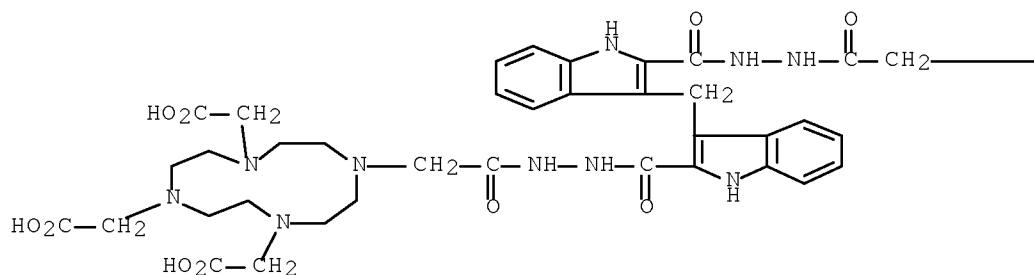
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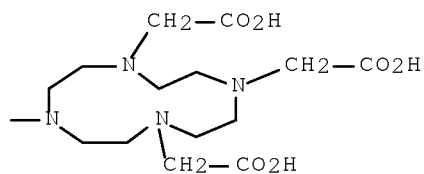
10/591,895

2,2'-[methylenebis(1H-indole-3,2-diylcarbonyl)]dihydrazide (9CI) (CA  
INDEX NAME)

PAGE 1-A

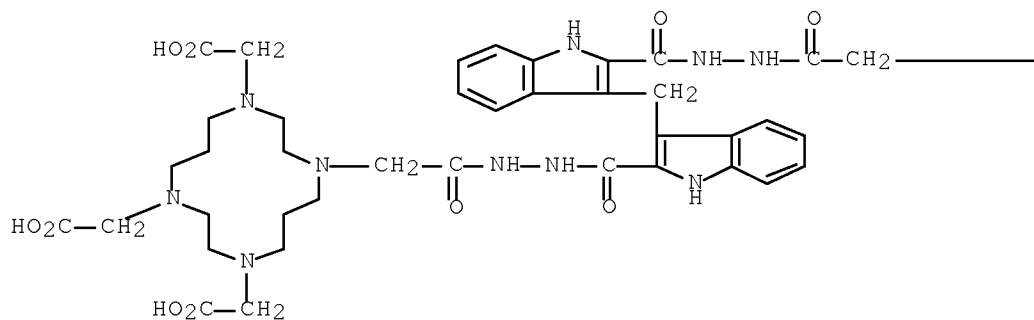


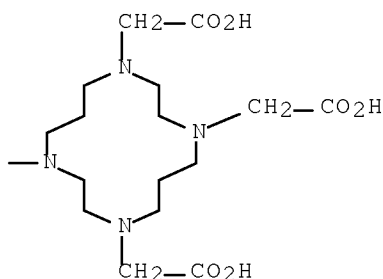
PAGE 1-B



RN 424838-71-1 CAPLUS  
CN 1,4,8,11-Tetraazacyclotetradecane-1,4,8,11-tetraacetic acid,  
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INDEX NAME)

PAGE 1-A



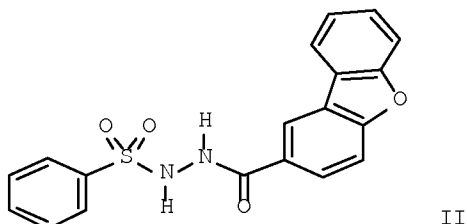
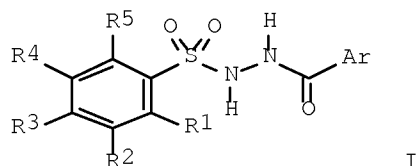


OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)  
 RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2002:240749 CAPLUS Full-text  
 DN 136:279204  
 TI Preparation of heterocyclylcarbonyl derivatives of arylsulfonylhydrazides  
 as branched chain amino acid-dependent aminotransferase inhibitors and  
 their use in the treatment of neurodegenerative diseases  
 IN Bora, Keenan Martin; Hu, Lain-Yen; Kesten, Suzanne Ross; Lei, Huanysu;  
 Moreland, David Winslow; Rafferty, Michael Francis; Ryder, Todd Robert;  
 Scholten, Jeffrey David; Wustrow, David Juergen  
 PA Warner-Lambert Company, USA  
 SO PCT Int. Appl., 183 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

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	US, UZ, VN, YU, ZA, ZW				
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	US 20050004167	A1	20050106	US 2004-765002	20040126
PRAI	US 2000-233786P	P	20000919		

US 2001-381068 B1 20010101  
 WO 2001-US25892 W 20010817  
 OS MARPAT 136:279204  
 GI



AB Title compds. I (R1, R2, R4, and R5 = H, halo, CN, NO2, aryl, (un)substituted-alkyl, -alkoxy, etc.; R3 = H, F, Br, alkyl, carboxy, (un)substituted alkoxy; Ar = (un)substituted-indole, -benzofuran, tricyclic heteroaryl, etc.) are prepared and disclosed as branched chain amino acid-dependent aminotransferase (BCAT) inhibitors. Thus, II was prepared by amidation of dibenzofurancarboxylic acid with hydrazine followed by sulfonylation with benzenesulfonyl chloride. In assays with human BCAT, I demonstrated inhibition in a range of concns. from 0.3 to >100μM. As BCAT inhibitors, I, their pharmaceutically acceptable salts and prodrugs thereof, are useful for treating or preventing neuronal loss associated with stroke, ischemia, CNS trauma, hypoglycemia and surgery, as well as treating neurodegenerative diseases including Alzheimer's disease, amyotrophic lateral sclerosis, Huntington's disease and Down's syndrome, treating or preventing the adverse consequences of the overstimulation of the excitatory amino acids, treating anxiety, psychosis, convulsions, aminoglycoside antibiotics-induced hearing loss, migraine headache, chronic pain, neuropathic pain, Parkinson's disease, diabetic retinopathy, glaucoma, CMV retinitis, urinary incontinence, opioid tolerance or withdrawal, and inducing anesthesia, as well as for enhancing cognition.

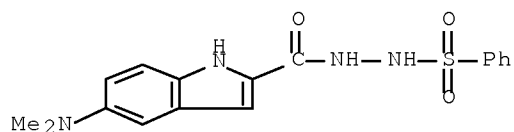
IT 406192-88-9

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of heterocyclylcarbonyl derivs. of arylsulfonylhydrazides as branched chain amino acid-dependent aminotransferase inhibitors and their use in the treatment of neurodegenerative diseases)

RN 406192-88-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-(dimethylamino)-, 2-(phenylsulfonyl)hydrazide (CA INDEX NAME)



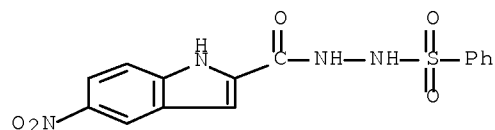
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RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(target compound; preparation of heterocyclylcarbonyl derivs. of arylsulfonylhydrazides as branched chain amino acid-dependent aminotransferase inhibitors and their use in the treatment of neurodegenerative diseases)

RN 406192-41-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-nitro-, 2-(phenylsulfonyl)hydrazide (CA INDEX NAME)



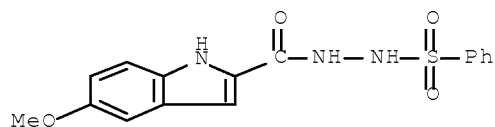
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 406192-47-0P 406192-48-1P 406192-49-2P  
 406192-50-5P 406192-51-6P 406192-52-7P  
 406192-58-3P 406192-59-4P 406192-60-7P  
 406192-61-8P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(target compound; preparation of heterocyclylcarbonyl derivs. of arylsulfonylhydrazides as branched chain amino acid-dependent aminotransferase inhibitors and their use in the treatment of neurodegenerative diseases)

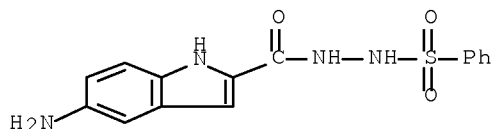
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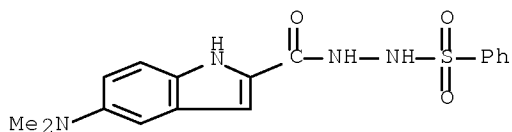
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RN 406192-28-7 CAPLUS

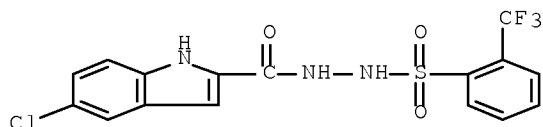
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● HCl

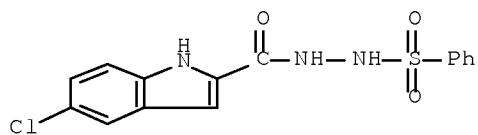
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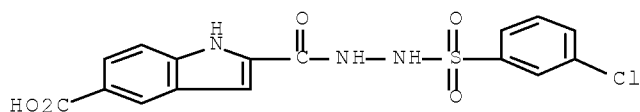
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CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(phenylsulfonyl)hydrazide (CA  
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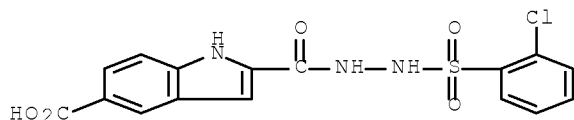
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(CA INDEX NAME)



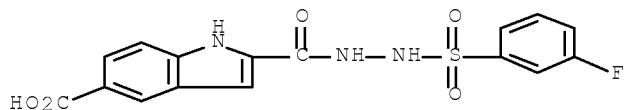
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(CA INDEX NAME)



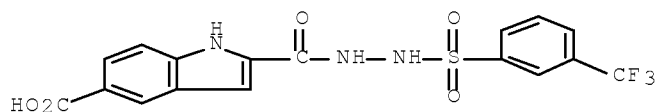
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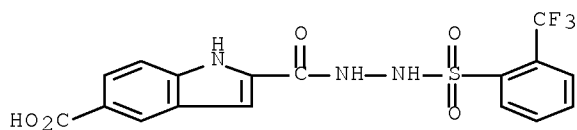
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CN 1H-Indole-2,5-dicarboxylic acid, 2-[2-[[3-(trifluoromethyl)phenyl]sulfonyl]hydrazide] (CA INDEX NAME)



RN 406192-47-0 CAPLUS

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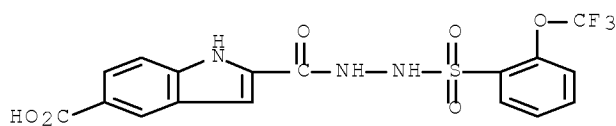


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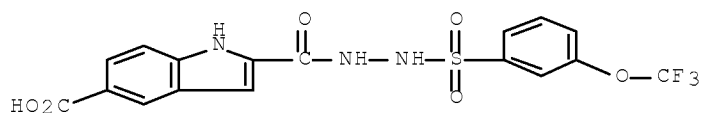
10/591,895

(trifluoromethoxy)phenyl]sulfonyl]hydrazide] (CA INDEX NAME)



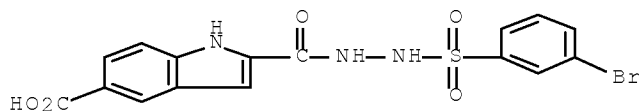
RN 406192-49-2 CAPLUS

CN 1H-Indole-2,5-dicarboxylic acid, 2-[2-[[3-(trifluoromethoxy)phenyl]sulfonyl]hydrazide] (CA INDEX NAME)



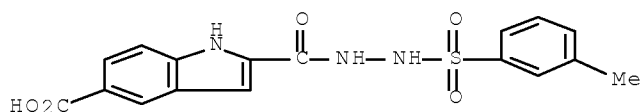
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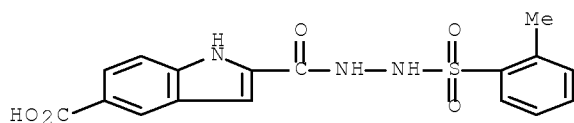
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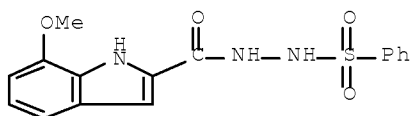
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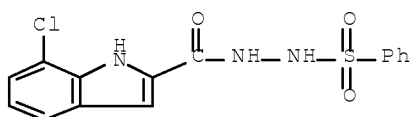
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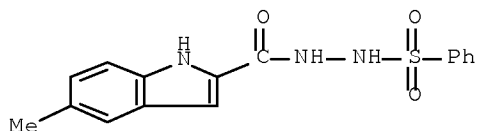
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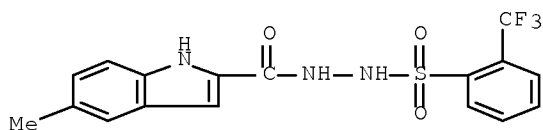


RN 406192-60-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methyl-, 2-(phenylsulfonyl)hydrazide (CA INDEX NAME)



RN 406192-61-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methyl-,  
2-[[2-(trifluoromethyl)phenyl]sulfonyl]hydrazide (CA INDEX NAME)

OSC.G 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

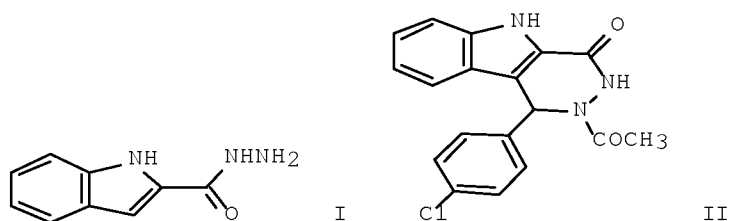
AN 2001:596440 CAPLUS Full-text

DN 135:331407

TI On the synthesis and reactions of indole-2-carboxylic acid hydrazide

AU Sarhan, Abd El-Wareth A. O.

CS Chemistry Department, Faculty of Science, Assiut University, Assiut,  
71516, Egypt  
SO Monatshefte fuer Chemie (2001), 132(6), 753-763  
CODEN: MOCMB7; ISSN: 0026-9247  
PB Springer-Verlag Wien  
DT Journal  
LA English  
OS CASREACT 135:331407  
GI



AB Indole-2-carboxylic acid hydrazide (I) was prepared and allowed to react with aromatic aldehydes in acidic medium to give the corresponding hydrazone derivs. in good yields. The hydrazones were cyclized to indolo[2,3-d]pyridazine derivs., e.g. II, by refluxing with acetyl chloride. The indole carbohydrazide was converted to 2-triazolylindoles which acted as starting materials for several indole derivs. A number of new indole derivs. were also prepared and structurally confirmed.

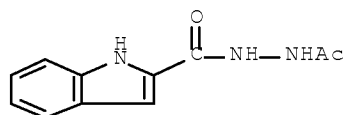
IT 37574-75-7P 64932-49-6P 152586-37-3P  
369614-60-8P 369614-62-0P 369614-70-0P  
369614-71-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(synthesis and reactions of indole-2-carboxylic acid hydrazide)

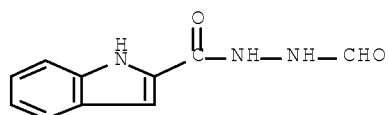
RN 37574-75-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-acetylhydrazide (CA INDEX NAME)



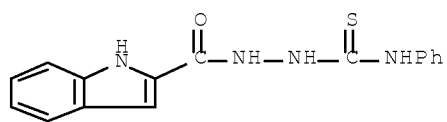
RN 64932-49-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-formylhydrazide (CA INDEX NAME)

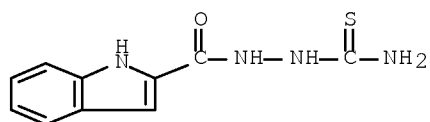


RN 152586-37-3 CAPLUS

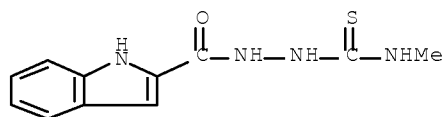
CN 1H-Indole-2-carboxylic acid, 2-[(phenylamino)thioxomethyl]hydrazide (CA



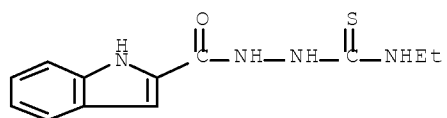
CN 1H-Indole-2-carboxylic acid, 2-(aminothioxomethyl)hydrazide, potassium salt (1:1) (CA INDEX NAME)



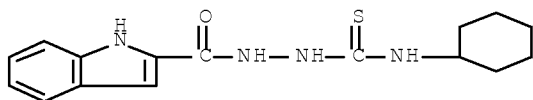
CN	1H-Indole-2-carboxylic acid, 2-[(methylamino)thioxomethyl]hydrazide (CA INDEX NAME)	(CA INDEX NAME)
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CN 1H-Indole-2-carboxylic acid, 2-[(ethylamino)thioxomethyl]hydrazide (CA  
INDEX NAME)

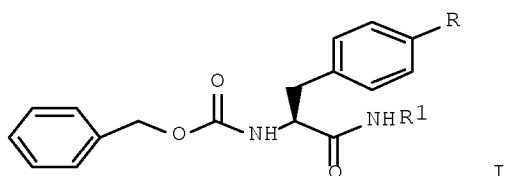


CN 1H-Indole-2-carboxylic acid, 2-[(cyclohexylamino)thioxomethyl]hydrazide  
(CA INDEX NAME)



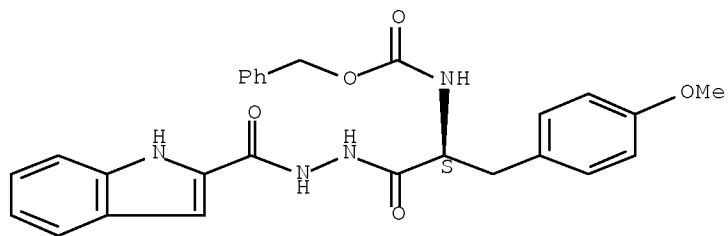
OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)  
 RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2001:347687 CAPLUS Full-text  
 DN 135:137684  
 TI New antagonist agents of neuropeptide Y receptors  
 AU Aldana, Ignacio; Rivero, Isabel; Rivero, Argimiro; Huenchunir, Patricio;  
 Frigola, Carmen; Alonso, Maria Luisa; Monge, Antonio; Caignard, D. H.;  
 Renard, P.  
 CS Dep. Pharm. Chem., Univ. Navarra, Pamplona, Spain  
 SO Quimica Nova (2000), 23(6), 737-741  
 CODEN: QUNODK; ISSN: 0100-4042  
 PB Sociedade Brasileira de Quimica  
 DT Journal  
 LA English  
 OS CASREACT 135:137684  
 GI



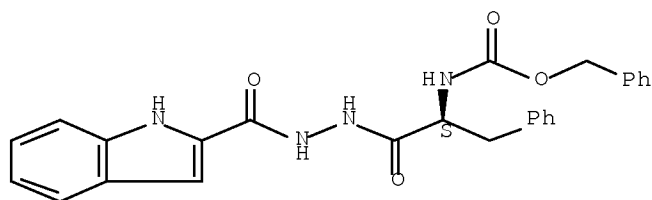
AB The hydrazide derivs. I (R = H, MeO; R1 = PhNH, PhCONH, 2-indolylcarbonylamino, 3-pyridylcarbonylamino, 3-indolylmethylcarbonylamino, 3-pyrazolyl) were prepared from L-phenylalanine and L-methyltyrosine as antagonist agents of neuropeptide Y receptors. The L-phenylalanine derived products have better activity.  
 IT 274934-52-0P 351860-09-8P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation of amino acid hydrazide derivs. as new antagonist agents of neuropeptide Y receptors)  
 RN 274934-52-0 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 2-[3-(4-methoxyphenyl)-1-oxo-2-[[ (phenylmethoxy)carbonyl]amino]propyl]hydrazide (CA INDEX NAME)

Absolute stereochemistry.



RN 351860-09-8 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 2-[1-oxo-3-phenyl-2-  
 [[(phenylmethoxy)carbonyl]amino]propyl]hydrazide (CA INDEX NAME)

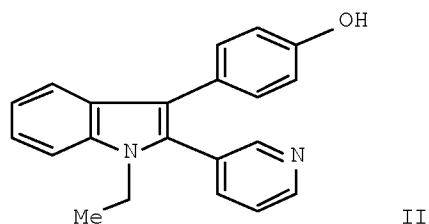
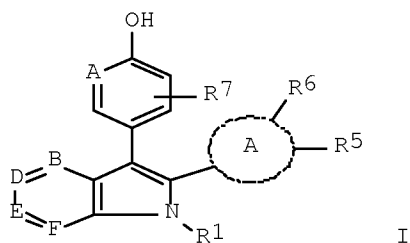
Absolute stereochemistry.



RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 10 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2001:326267 CAPLUS Full-text  
 DN 134:340435  
 TI Preparation and activation effect of indoles to estrogen receptor  
 IN Kato, Susumu; Hayakawa, Kazuhide; Fujii, Akihiko  
 PA Japan Tobacco, Inc., Japan  
 SO Jpn. Kokai Tokkyo Koho, 32 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 2001122855	A	20010508	JP 1999-305996	19991027 <--
PRAI	JP 1999-305996		19991027		
OS	MARPAT 134:340435				
GI					



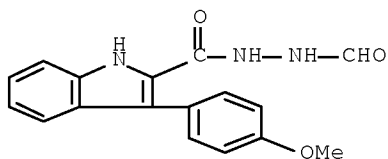
AB Title compds. [I; R1 = H, alkyl; R5, R6 independently = H, halo, OH, alkyl, alkoxy; R7 = H, halo, alkyl; A, B, D, E, F independently = N, CH; Y = benzene] and pharmaceutically acceptable salts, having activation effect for estrogen receptor- $\beta$ , are prepared and are useful as osteoporosis remedy without side effect. Thus, the title compound II was prepared and biol. tested.

IT 338466-43-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and activation effect of indoles to estrogen receptor)

RN 338466-43-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3-(4-methoxyphenyl)-, 2-formylhydrazide (CA INDEX NAME)



OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

L5 ANSWER 11 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2000:861009 CAPLUS Full-text

DN 134:157421

TI A new NPY-antagonist strongly stimulates apoptosis and lipolysis on white adipocytes in an obesity model

AU Margareto, Javier; Aguado, Miriam; Osés-Prieto, Juan A.; Rivero, Isabel; Monge, Antonio; Aldana, Ignacio; Marti, Amelia; Martinez, J. Alfredo

CS Department of Physiology and Nutrition, University of Navarra, Pamplona, 31008, Spain

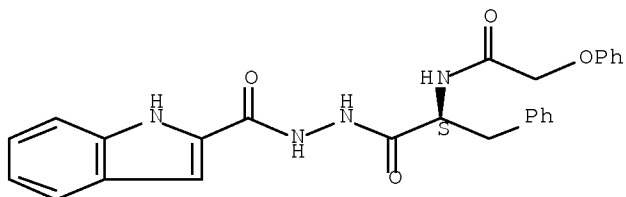
SO Life Sciences (2000), 68(1), 99-107

CODEN: LIFSAK; ISSN: 0024-3205

PB Elsevier Science Inc.

DT Journal  
 LA English  
 AB Neuropeptide Y (NPY) is a 36 amino acid peptide released in central and peripheral mammalian neurons, which appears to contribute to adiposity regulation by increasing food intake, thus promoting weight gain on animals. Nevertheless, little is known about NPY direct actions on white adipocytes. This trial, which was designed to test the possible effects of a new NPY antagonist, S.A.0204, on white adipose tissue, revealed that the administration of this novel mol. strongly ex vivo stimulates apoptosis and lipolysis in animals fed on a high-fat diet.  
 IT 274934-35-9, S.A. 0204  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (S.A.0204 strongly stimulates apoptosis and lipolysis on white adipocytes in an obesity model)  
 RN 274934-35-9 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 2-[1-oxo-2-[(2-phenoxyacetyl)amino]-3-phenylpropyl]hydrazide (CA INDEX NAME)

Absolute stereochemistry.



OSC.G 19 THERE ARE 19 CAPLUS RECORDS THAT CITE THIS RECORD (19 CITINGS)  
 RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 12 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2000:780224 CAPLUS Full-text  
 DN 134:71458  
 TI Synthesis and pharmacological evaluation of 3,5-disubstituted indole-2-[Nβ-(substituted benzopyran-2'-one-3'-carboxyl)]carboxy hydrazides and 2H-3-(various substituted indol-3'-yl)methyl-1,3-benzothiazoles  
 AU Mruthyunjayaswamy, B. H. M.; Shanthaveerappa, B. K.  
 CS Department of Chemistry, Gulbarga University, Gulbarga, 585 106, India  
 SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (2000), 39B(6), 433-439  
 CODEN: IJSBDB; ISSN: 0376-4699  
 PB National Institute of Science Communication, CSIR  
 DT Journal  
 LA English  
 OS CASREACT 134:71458  
 AB Equimolar quantities of 3,5-disubstituted indole-2-carboxy hydrazides and di-Et malonate when refluxed in dry xylene for 10h afford 3,5-disubstituted indole-2-[Nβ-mono(carbethoxy malonoyl)]carboxy hydrazides, which on reaction with Bz-substituted salicylaldehydes in ethanol under reflux conditions in the presence of catalytic amount of piperidine for 5hr give 3,5-disubstituted indole-2-[Nβ-(substituted benzopyran-2'-one-3'-carboxyl)]carboxy hydrazides. 2-(Various substituted indol-3'-yl)methyliminothiophenols have been

synthesized by reacting various substituted indole-3-carboxaldehydes and o-aminothiophenol. Methyliminothiophenols on reduction with sodium borohydride followed by treatment with formaldehyde yield the desired 2H-3-(various substituted indol-3'-yl)methyl-1,3-benzothiazoles. All the newly synthesized compds. have been tested for their antimicrobial activity against E.coli, S.aureus, P.vulgaris and A.niger. Also compds. have been screened for their analgesic and antiscatonic activity. Some of the compds. exhibit significant activities.

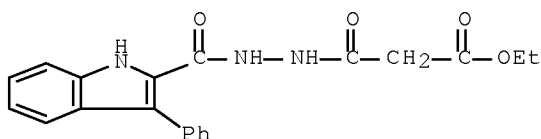
IT 316156-09-9P 316156-10-2P 316156-11-3P  
316156-12-4P 316156-13-5P 316156-14-6P  
316156-15-7P 316156-16-8P 316156-17-9P  
316156-18-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and condensation reaction with salicylaldehydes)

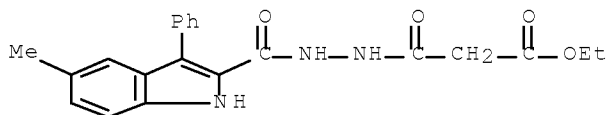
RN 316156-09-9 CAPLUS

CN Propanedioic acid, 1-ethyl ester, 3-[2-[(3-phenyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



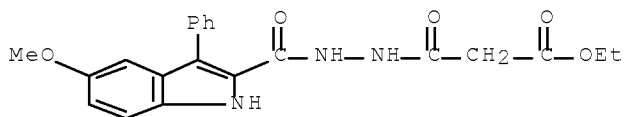
RN 316156-10-2 CAPLUS

CN Propanedioic acid, 1-ethyl ester, 3-[2-[(5-methyl-3-phenyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



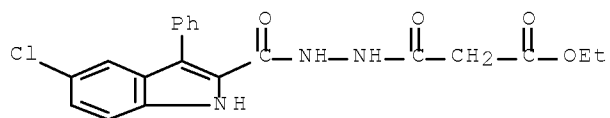
RN 316156-11-3 CAPLUS

CN Propanedioic acid, 1-ethyl ester, 3-[2-[(5-methoxy-3-phenyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



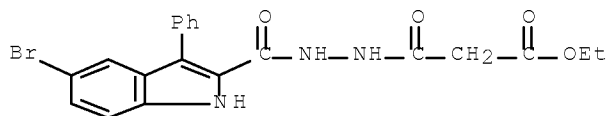
RN 316156-12-4 CAPLUS

CN Propanedioic acid, 1-ethyl ester, 3-[2-[(5-chloro-3-phenyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



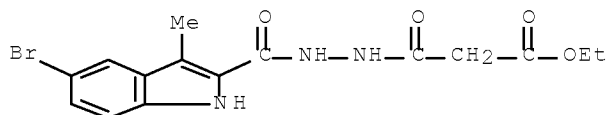
RN 316156-13-5 CAPLUS

CN Propanedioic acid, 1-ethyl ester, 3-[2-[(5-bromo-3-phenyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



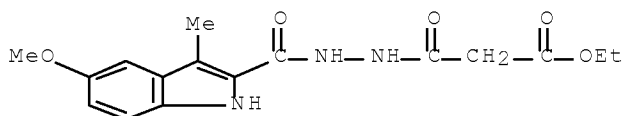
RN 316156-14-6 CAPLUS

CN Propanedioic acid, 1-ethyl ester, 3-[2-[(5-bromo-3-methyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



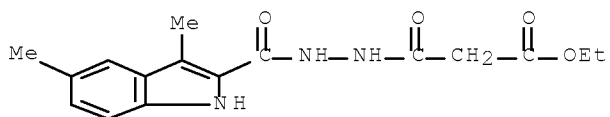
RN 316156-15-7 CAPLUS

CN Propanedioic acid, 1-ethyl ester, 3-[2-[(5-methoxy-3-methyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



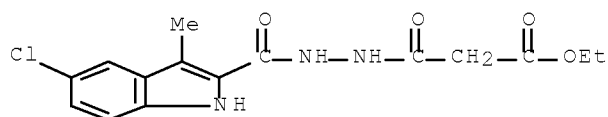
RN 316156-16-8 CAPLUS

CN Propanedioic acid, 1-ethyl ester, 3-[2-[(3,5-dimethyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



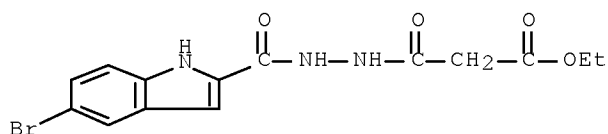
RN 316156-17-9 CAPLUS

CN Propanedioic acid, 1-ethyl ester, 3-[2-[(5-chloro-3-methyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



RN 316156-18-0 CAPLUS

CN Propanedioic acid, 1-ethyl ester, 3-[2-[(5-bromo-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



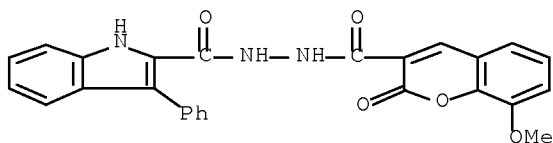
IT 316156-19-1P 316156-20-4P 316156-21-5P  
 316156-22-6P 316156-23-7P 316156-24-8P  
 316156-25-9P 316156-26-0P 316156-27-1P  
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 316156-37-3P 316156-38-4P 316156-39-5P  
 316156-40-8P 316156-41-9P 316156-42-0P  
 316156-43-1P 316156-44-2P 316156-45-3P  
 316156-46-4P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(synthesis and pharmacol. evaluation of disubstituted indole(substituted benzopyranonecarboxyl)carboxy hydrazides and (various substituted indolyl)methylbenzothiazoles)

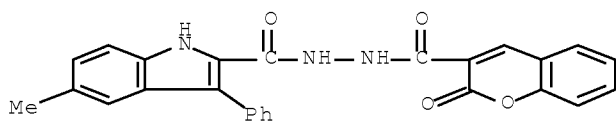
RN 316156-19-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3-phenyl-,  
 2-[(8-methoxy-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



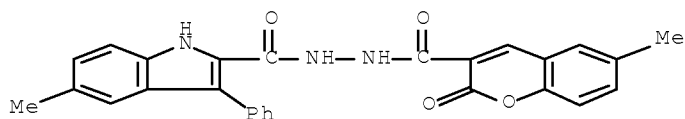
RN 316156-20-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methyl-3-phenyl-,  
 2-[(2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



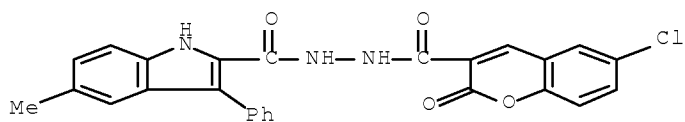
RN 316156-21-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methyl-3-phenyl-,  
2-[(6-methyl-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)



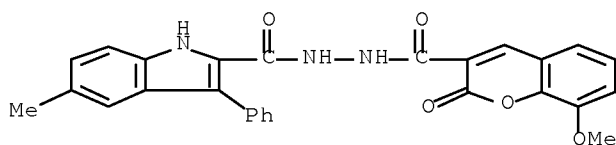
RN 316156-22-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methyl-3-phenyl-,  
2-[(6-chloro-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)



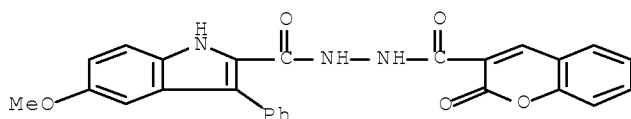
RN 316156-23-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methyl-3-phenyl-,  
2-[(8-methoxy-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)

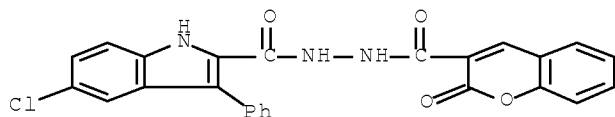


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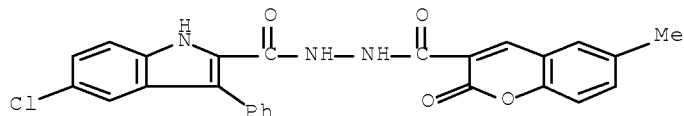
CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-phenyl-,  
2-[(2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



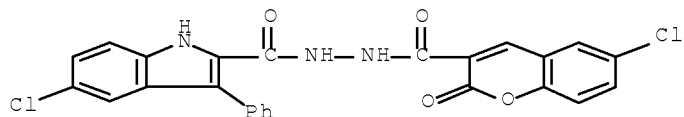
RN 316156-25-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-,  
2-[(2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)

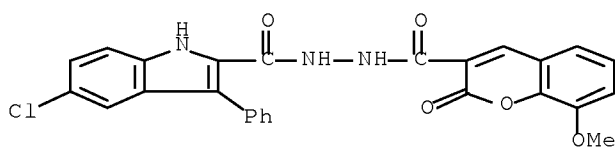
RN 316156-26-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-,  
2-[(6-methyl-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)

RN 316156-27-1 CAPLUS

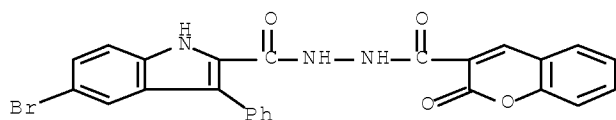
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-,  
2-[(6-chloro-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)

RN 316156-28-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-,  
2-[(8-methoxy-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)

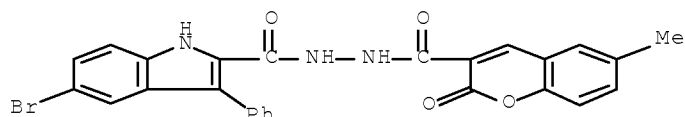
RN 316156-29-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-,  
2-[(2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



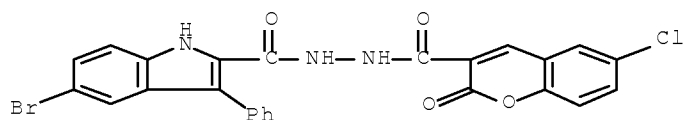
RN 316156-30-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-,  
2-[(6-methyl-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)



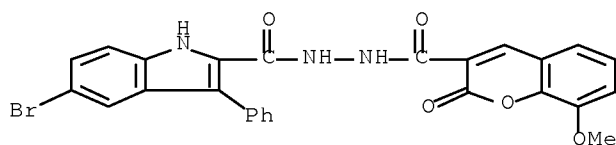
RN 316156-31-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-,  
2-[(6-chloro-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)



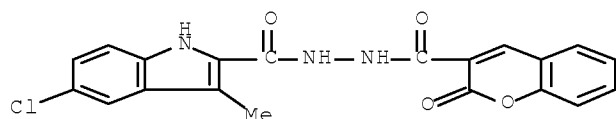
RN 316156-32-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-,  
2-[(8-methoxy-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)

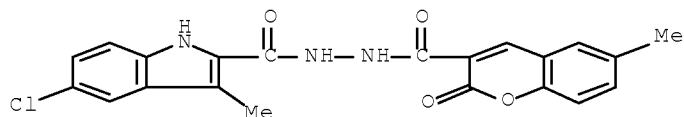


RN 316156-33-9 CAPLUS

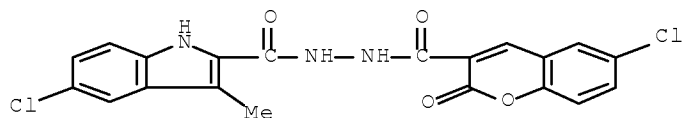
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-,  
2-[(2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



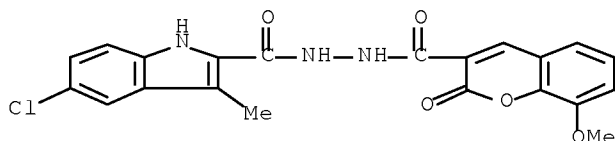
RN 316156-34-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-,  
2-[(6-methyl-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)

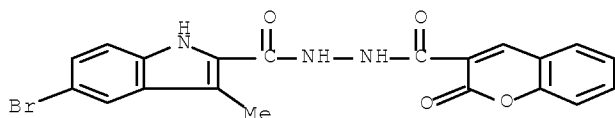
RN 316156-35-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-,  
2-[(6-chloro-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)

RN 316156-36-2 CAPLUS

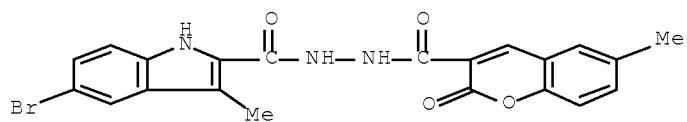
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-,  
2-[(8-methoxy-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)

RN 316156-37-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-,  
2-[(2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)

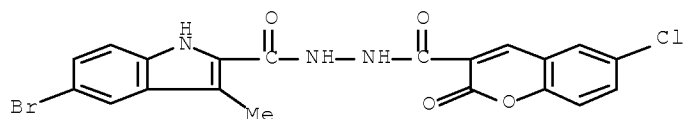
RN 316156-38-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-,  
2-[(6-methyl-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)



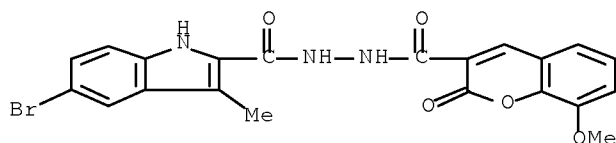
RN 316156-39-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-,  
2-[(6-chloro-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)



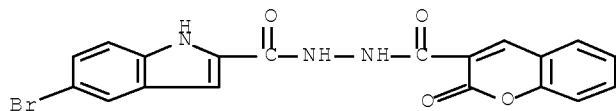
RN 316156-40-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-,  
2-[(8-methoxy-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)



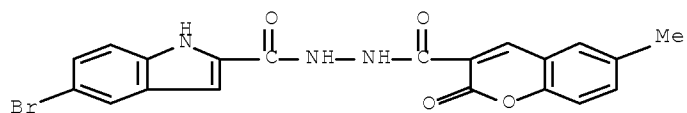
RN 316156-41-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-,  
2-[(2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)

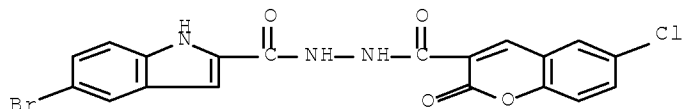


RN 316156-42-0 CAPLUS

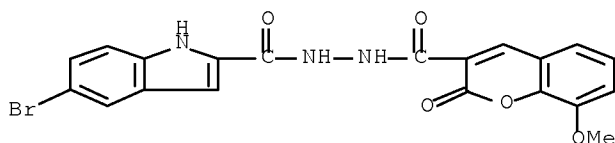
CN 1H-Indole-2-carboxylic acid, 5-bromo-,  
2-[(6-methyl-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)



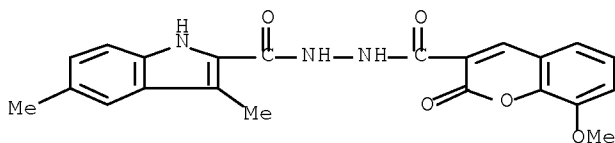
RN 316156-43-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-,  
2-[(6-chloro-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)

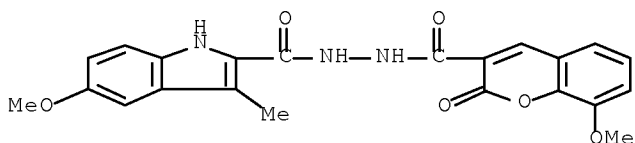
RN 316156-44-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-,  
2-[(8-methoxy-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)

RN 316156-45-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3,5-dimethyl-,  
2-[(8-methoxy-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)

RN 316156-46-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-,  
2-[(8-methoxy-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)

OSC.G 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)

RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 13 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2000:420788 CAPLUS Full-text  
 DN 133:58622  
 TI Preparation of acylaminocarboxylic hydrazides as Neuropeptide Y receptor  
 ligands  
 IN Monge Vega, Antonio; Aldana Moraza, Ignacio; Caignard, Daniel-Henri;  
 Duhault, Jacques; Boutin, Jean; Della Zuana, Odile  
 PA Adir et Compagnie, Fr.  
 SO Eur. Pat. Appl., 38 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA French  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1010691	A2	20000621	EP 1999-403191	19991217 <--
	EP 1010691	A3	20020619		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	ES 2161594	A1	20011201	ES 1998-2626	19981217 <--
	ES 2161594	B1	20030401		
	CA 2292246	A1	20000617	CA 1999-2292246	19991213 <--
	JP 2000178240	A	20000627	JP 1999-352665	19991213 <--
	JP 3445204	B2	20030908		
	MX 9911645	A	20000731	MX 1999-11645	19991214 <--
	NO 9906250	A	20000619	NO 1999-6250	19991216 <--
	NO 314399	B1	20030317		
	BR 9907429	A	20000919	BR 1999-7429	19991216 <--
	US 6172108	B1	20010109	US 1999-464182	19991216 <--
	AU 9965289	A	20000622	AU 1999-65289	19991217 <--
	AU 763555	B2	20030724		
	ZA 9907733	A	20000629	ZA 1999-7733	19991217 <--
	CN 1260345	A	20000719	CN 1999-126182	19991217 <--
	HU 9904630	A2	20000828	HU 1999-4630	19991217 <--
	HU 9904630	A3	20030630		
	KR 2000057067	A	20000915	KR 1999-58529	19991217 <--
	NZ 501849	A	20000929	NZ 1999-501849	19991217 <--
	US 6271247	B1	20010807	US 2000-602538	20000623 <--
PRAI	ES 1998-2626	A	19981217		
	US 1999-464182	A3	19991216		

# ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 133:58622

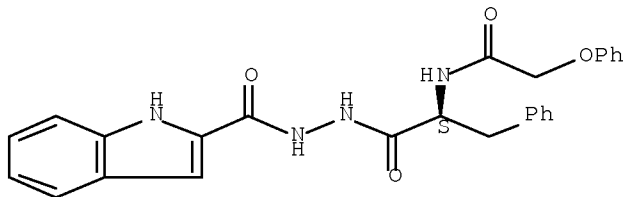
AB RZCONHNH21R1 [I; R = COZ2R2, COZ2R2, O2CZ2R2, SO0-2Z2R2; R1,R2 =  
 (un)substituted (hetero)aryl(alkyl); Z = iminoalk(en)ylene, iminoalkylidene,  
 iminoarylenealkylene, N-attached azacycloalkylene, etc.; Z1 = bond, CO, SO0-2;  
 Z2 = bond, alk(en)ylene, alkynylene] were prepared Thus, PhCH2CH(NH2)CO2H was  
 N-acylated by ClCO2CH2Ph and the product amidated by H2NNHPh to give  
 PhCH2O2CNHCH(CH2Ph)CONHNHPh. Data for biol. activity of 1 prepared I were  
 given.

IT 274934-35-9P 274934-43-9P 274934-52-0P  
 274934-73-5P 274934-84-8P 274934-91-7P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
 study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);  
 BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of acylaminocarboxylic hydrazides as Neuropeptide Y receptor  
 ligands)

RN 274934-35-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-[1-oxo-2-[(2-phenoxyacetyl)amino]-3-  
 phenylpropyl]hydrazide (CA INDEX NAME)

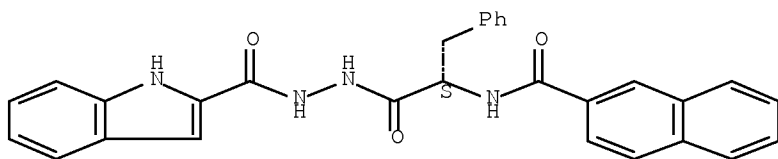
Absolute stereochemistry.



RN 274934-43-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-[2-[(2-naphthalenylcarbonyl)amino]-1-oxo-3-phenylpropyl]hydrazide (CA INDEX NAME)

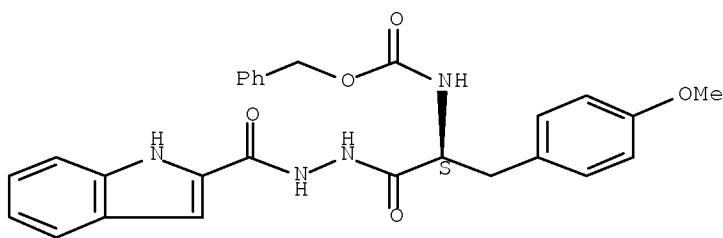
Absolute stereochemistry.



RN 274934-52-0 CAPLUS

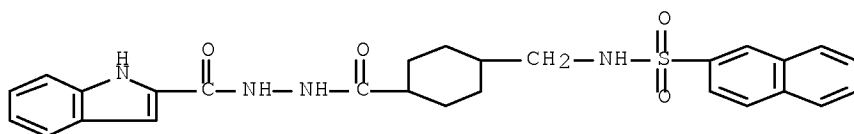
CN 1H-Indole-2-carboxylic acid, 2-[3-(4-methoxyphenyl)-1-oxo-2-[(phenylmethoxy)carbonyl]amino]propyl]hydrazide (CA INDEX NAME)

Absolute stereochemistry.

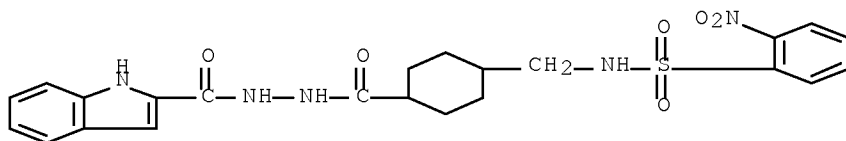


RN 274934-73-5 CAPLUS

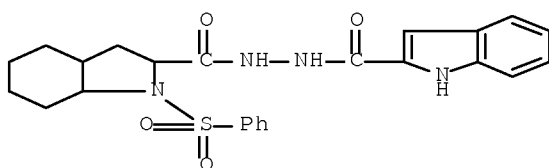
CN 1H-Indole-2-carboxylic acid, 2-[4-[[2-(naphthalenylsulfonyl)amino]methyl]cyclohexyl]carbonyl]hydrazide (CA INDEX NAME)



RN 274934-84-8 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 2-[[4-[[[(2-nitrophenyl)sulfonyl]amino]methyl]cyclohexyl]carbonyl]hydrazide (CA INDEX NAME)



RN 274934-91-7 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, octahydro-1-(phenylsulfonyl)-, 2-(1H-indol-2-ylcarbonyl)hydrazide (CA INDEX NAME)



OSC.G 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)  
 RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 14 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2000:114190 CAPLUS [Full-text](#)

DN 132:251114

TI Synthesis and biological evaluation of indole containing derivatives of thiosemicarbazide and their cyclic 1,2,4-triazole and 1,3,4-thiadiazole analogs

AU Varvaresou, Athanasia; Tsantili-Kakoulidou, Anna; Siatra-Papastaikoudi, Theodora; Tiligada, Ekaterini

CS Division of Pharmaceutical Chemistry, Department of Pharmacy, University of Athens, Athens, Greece

SO Arzneimittel-Forschung (2000), 50(1), 48-54

CODEN: ARZNAD; ISSN: 0004-4172

PB Editio Cantor Verlag

DT Journal

LA English

AB New indolic derivs. of thiosemicarbazides and some cyclic 1,2,4-triazol-5-thione analogs were synthesized. The newly synthesized compds. as well as some indole-containing thiosemicarbazides, 1,2,4-triazoles and 1,3,4-thiadiazoles, which were reported previously, were investigated for antimicrobial, antifungal and antiphage activity. Certain thiosemicarbazide derivs. and the corresponding cyclic 1,2,4-triazole analogs showed selective antimicrobial or antifungal activity, while they lack any antiphage activity. Antiphage activity was detected for one compound, bearing the 1,3,4-thiadiazole nucleus. The selectively active compds. cover a wide range of lipophilicity. Structure-activity relations show a remarkably similarity in the antimicrobial and antifungal behavior of the thiosemicarbazides and their cyclic triazo-5-thienyl analogs, while  $\alpha$ -naphthyl substitution in the non

10/591,895

indolic portion of the mol. is favorable. C5 substitution on the indolic nucleus may also be critical for selective activity.

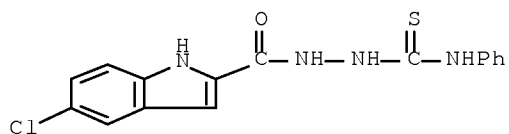
IT 126016-01-1P 152586-37-3P 156550-11-7P  
262448-73-7P 262448-74-8P 262448-75-9P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation and biol. evaluation of indole-containing derivs. of thiosemicarbazide and their triazole and thiadiazole analogs)

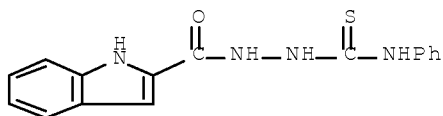
RN 126016-01-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



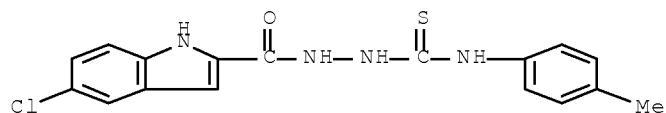
RN 152586-37-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



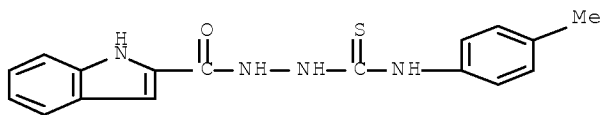
RN 156550-11-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[[[(4-methylphenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



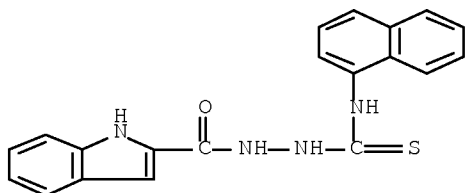
RN 262448-73-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-[[[(4-methylphenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)

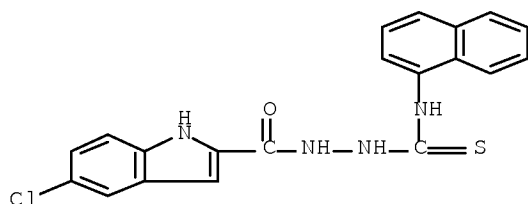


RN 262448-74-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-[(1-naphthalenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



RN 262448-75-9 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
 2-[(1-naphthalenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



OSC.G 23 THERE ARE 23 CAPLUS RECORDS THAT CITE THIS RECORD (23 CITINGS)  
 RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 15 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1998:188843 CAPLUS Full-text

DN 128:243909

OREF 128:48293a,48296a

TI Synthesis of the derivatives of 3-(p-nitrophenyl)-5-acetylindole-2-carbonic acid

AU Narimanidze, N.; Samsonia, Sh.; Chikvaidze, I.

CS Georgia

SO Bulletin of the Georgian Academy of Sciences (1997), 156(1), 63-65

CODEN: BGASFC

PB Georgian Academy of Sciences

DT Journal

LA English

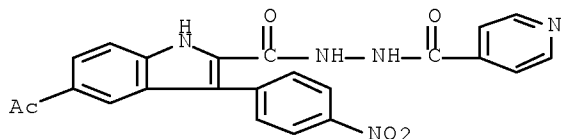
AB By the reaction of 2-ethoxycarbonyl-3-(p-nitrophenyl)-5-acetylindole with the thionyl chloride the chloroanhydride of the corresponding acid has been obtained. By the reaction of 3-(p-nitrophenyl)-5-acetylindole-2-carbonic acid chloroanhydride with the amines, hydrazines the amides and hydrazides have been obtained.

IT 204858-02-6P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

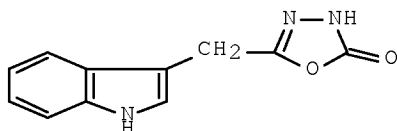
RN 204858-02-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-acetyl-3-(4-nitrophenyl)-,  
 2-(4-pyridinylcarbonyl)hydrazide (CA INDEX NAME)



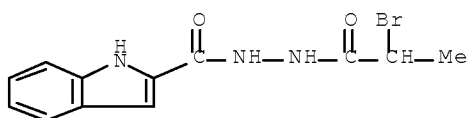
RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 16 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
AN 1997:751966 CAPLUS Full-text  
DN 128:61481  
OREF 128:12043a,12046a  
TI Synthesis of new indolyl-1,3,4-oxadiazole and oxadiazine derivatives.  
Potential monoamine oxidase inhibitor activity  
AU Perez, Silvia; Lasheras, Berta; Oset, Carmen; Monge, Antonio  
CS Department of Organic and Pharmaceutical Chemistry, University of Navarra,  
Pamplona, 31080, Spain  
SO Journal of Heterocyclic Chemistry (1997), 34(5), 1527-1533  
CODEN: JHTCAD; ISSN: 0022-152X  
PB HeteroCorporation  
DT Journal  
LA English  
GI



I

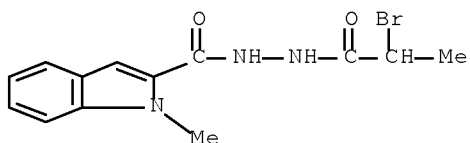
AB New indolyl-1,3,4-oxadiazole and oxadiazine derivs. were prepared as  
reversible monoamine oxidase inhibitors. The compound 5-[(1H-indol-3-  
yl)methyl]-1,3,4-oxadiazol-2(3H)one (I) was shown to be a good monoamine  
oxidase B inhibitor.  
IT 200062-16-4P 200062-17-5P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation of (indolyl)oxadiazole and (indolyl)oxadiazine derivs.)  
RN 200062-16-4 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 2-(2-bromo-1-oxopropyl)hydrazide (CA INDEX  
NAME)



RN 200062-17-5 CAPLUS

10/591,895

CN 1H-Indole-2-carboxylic acid, 1-methyl-, 2-(2-bromo-1-oxopropyl)hydrazide  
(CA INDEX NAME)

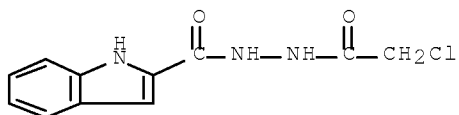


IT 37574-76-8P 200062-09-5P 200062-10-8P  
200062-11-9P 200062-12-0P 200062-13-6P  
200062-19-7P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of (indolyl)oxadiazole and (indolyl)oxadiazine derivs.)

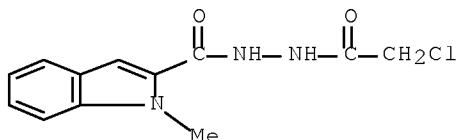
RN 37574-76-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(2-chloroacetyl)hydrazide (CA INDEX NAME)



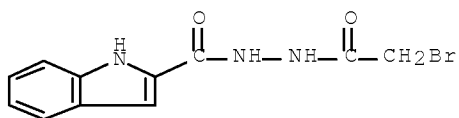
RN 200062-09-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 1-methyl-, 2-(2-chloroacetyl)hydrazide (CA  
INDEX NAME)



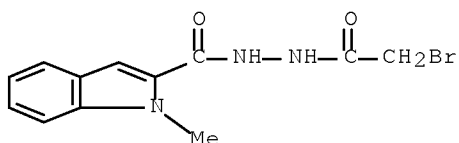
RN 200062-10-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(2-bromoacetyl)hydrazide (CA INDEX NAME)



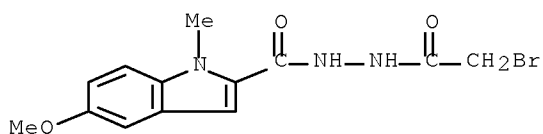
RN 200062-11-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 1-methyl-, 2-(2-bromoacetyl)hydrazide (CA  
INDEX NAME)



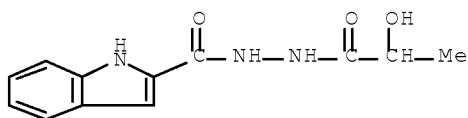
RN 200062-12-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-1-methyl-,  
2-(2-bromoacetyl)hydrazide (CA INDEX NAME)



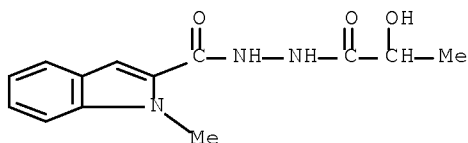
RN 200062-18-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(2-hydroxy-1-oxopropyl)hydrazide (CA INDEX NAME)



RN 200062-19-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 1-methyl-, 2-(2-hydroxy-1-oxopropyl)hydrazide  
(CA INDEX NAME)



OSC.G 13 THERE ARE 13 CAPLUS RECORDS THAT CITE THIS RECORD (13 CITINGS)  
RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 17 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1997:216188 CAPLUS Full-text

DN 126:263678

OREF 126:51069a,51072a

TI Pentafluorophenyl ester activation for the preparation of  
N,N'-diaroylhydrazines

AU Zhao, He; Burke, Terrence R., Jr.

CS Lab. Medicinal Chem., National Inst. Health, Bethesda, MD, 20892, USA

SO Tetrahedron (1997), 53(12), 4219-4230

CODEN: TETRAB; ISSN: 0040-4020

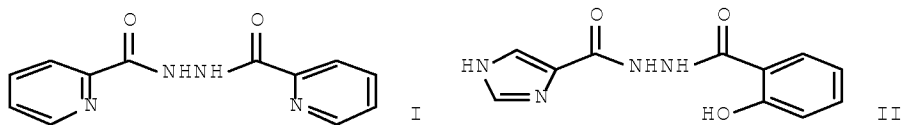
PB Elsevier

DT Journal

LA English

OS CASREACT 126:263678

GI



AB Procedures are reported for the preparation of N,N'-diaroylhydrazines, e.g., I and II, using pentafluorophenyl (Pfp) ester activation of aryl carboxylic acids. Mild conditions which avoid intermediate protection of ring substituents, allows the synthesis of both sym. and unsym. diaroylhydrazines in high yields. The recent discovery of potent HIV-1 integrase inhibition by N,N'-bis-salicylhydrazine highlights the potential importance of this class of compds. The stability of pre-activated Pfp ester intermediates and the facility with which N,N'-diaroylhydrazines can be synthesized using this procedure (stirring at room temperature in DMF) may make the method particularly attractive for synthesis of hydrazide libraries.

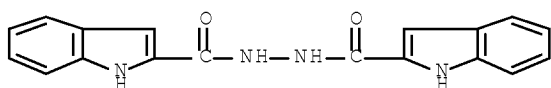
IT 188837-57-2P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of diaroylhydrazines via pentafluorophenyl esters)

RN 188837-57-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(1H-indol-2-ylcarbonyl)hydrazide (CA INDEX NAME)



OSC.G 21 THERE ARE 21 CAPLUS RECORDS THAT CITE THIS RECORD (21 CITINGS)

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 18 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1996:512458 CAPLUS Full-text

DN 125:195347

OREF 125:36583a,36586a

TI Synthesis and antimicrobial activity of triazolylindoles and indolylthiazolidinones

AU Sonar, V.N.; Neelavati, C.V.; Pranesh, G.

CS Department of Pharmaceutical Chemistry, V.L. College of Pharmacy, Raichur, 584 101, India

SO Indian Journal of Heterocyclic Chemistry (1996), 5(4), 269-272

CODEN: IJCHEI; ISSN: 0971-1627

PB Lucknow University, Dep. of Chemistry

DT Journal

LA English

AB Several new 2-[5-mercapto-4-(p-bromophenyl)-1,2,4-triazol-3-yl]indoles and 3-(substituted-indole-2-carboxamido)-2-(p-bromophenylimino)-4-thiazolidinones were synthesized starting from thioureas, which were allowed to react with 4% sodium hydroxide and chloroacetic acid in presence of sodium acetate resp. The required thioureas were prepared by reacting indole-2-carbohydrazides with p-bromophenyl isothiocyanate. All the synthesized compds. were screened for their antimicrobial activity.

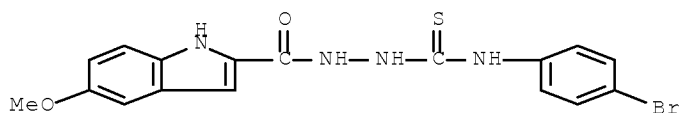
IT 156550-19-5P 156550-21-9P 181026-40-4P  
181026-41-5P 181026-42-6P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation and antimicrobial activity of triazolyindoles and indolylthiazolidinones)

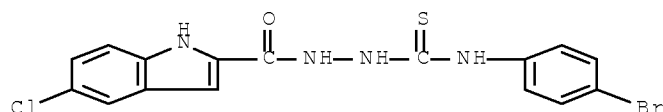
RN 156550-19-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-,  
2-[[ (4-bromophenyl) amino]thioxomethyl]hydrazide (CA INDEX NAME)



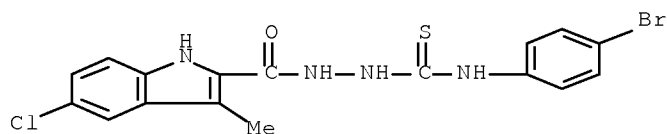
RN 156550-21-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[[ (4-bromophenyl) amino]thioxomethyl]hydrazide (CA INDEX NAME)



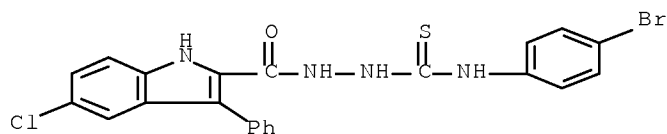
RN 181026-40-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-,  
2-[[ (4-bromophenyl) amino]thioxomethyl]hydrazide (CA INDEX NAME)

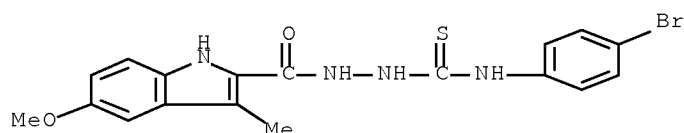


RN 181026-41-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-,  
2-[[ (4-bromophenyl) amino]thioxomethyl]hydrazide (CA INDEX NAME)



RN 181026-42-6 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-,  
 2-[[4-bromophenyl]amino]thioxomethyl]hydrazide (CA INDEX NAME)



OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

L5 ANSWER 19 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 1995:573685 CAPLUS Full-text  
 DN 123:33649  
 OREF 123:6239a,6242a  
 TI Preparation of 6-position modified decapeptide LHRH antagonists  
 IN Greer, Jonathan; Haviv, Fortuna; Fitzpatrick, Timothy D.; Swenson, Rolf  
 E.; Nichols, Charles J.; Mort, Nicholas A.  
 PA Abbott Laboratories, USA  
 SO PCT Int. Appl., 86 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

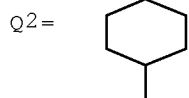
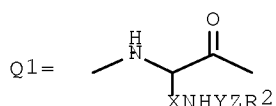
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9413313	A1	19940623	WO 1993-US11628	19931130 <--
	W: CA, JP, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2136078	A1	19940623	CA 1993-2136078	19931130 <--
	EP 673254	A1	19950927	EP 1994-903367	19931130 <--
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
	JP 08504209	T	19960507	JP 1993-514229	19931130 <--
	US 5698522	A	19971216	US 1995-446809	19950601 <--
PRAI	US 1992-987921	A	19921204		
	WO 1993-US11628	W	19931130		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 123:33649

GI



AB A-D-E-G-J-L-M-Q-R-T [A = N-acetyl-D-3-(naphth-2-yl)alanyl, N-acetyl-D-phenylalanyl, N-acetylsarcosyl, etc.; D = D-Phe, D-3-(4-chlorophenyl)alanyl, D-3-(4-fluorophenyl)alanyl, etc.; E = D-3-(pyrid-3-yl)alanyl, D-3-(thiazol-2-yl)alanyl, etc.; G = Ser, Ser(OBzl), etc.; J = N(R1)-L-[3-(4-(3-amino-1,2,4-triazol-5-yl)aminophenyl)]alanyl, N(R1)-L-tyrosyl, N(R1)-L-homoarginyl, etc.; R1 = H, alkyl; L = Q1; X = (CH2)*n*, Q2; *n* = 1-6; Y = D- or L-Ala, 4-aminobutyryl, 5-aminopentanoyl, azaglycyl, D-leucyl, D-valyl, etc.; Z = null, D-alanyl, azaglycyl, Gly, D-cyclohexylalanyl, D-His, D-Phe, etc.; R2 = 3-amino-1,2,4-triazol-5-yl, Ac, biotinyl, 2-furoyl, isonicotinoyl, (substituted) PhCO, etc.; M = Leu, Val, L-cyclohexylalanyl, etc. Q = L-citrullyl, L-homocitrullyl, Arg, etc.; R = Pro, N(R1)-Ala; T = NHet, D-alanylamide, D-serylamide, sarcosamide, etc.], were prepared Thus, Ac-D-2-Nal-D-4-Cl-Phe-D-3-Pal-Ser-NMeTyr-D-Lys(Nε-glycylnicotinoyl)-Leu-Lys(Nε-isopropyl)-Pro-D-Ala-NH2 [2-Nal = 3-(naphth-2-yl)alanyl, 4-Cl-Phe = 3-(4-chlorophenyl)alanyl, 3-Pal = 3-(pyrid-3-yl)alanyl] , prepared on methylbenzhydrylamine resin, antagonized LHRH with pA2 = 11.45.

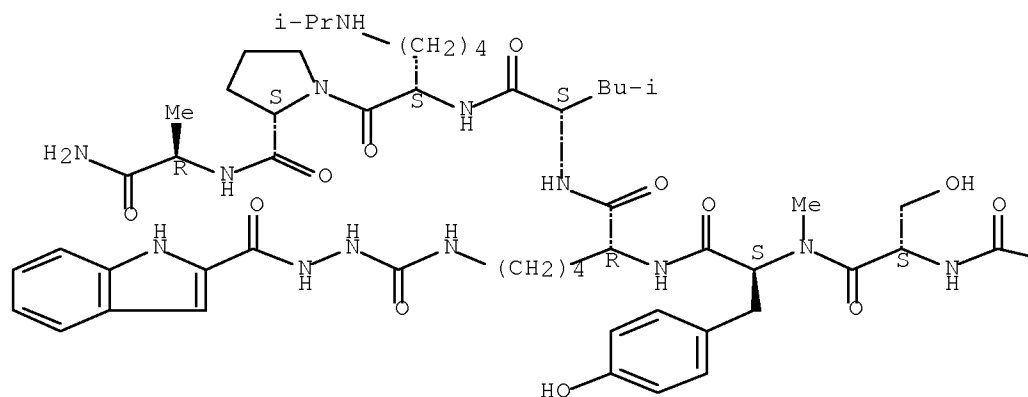
IT 163334-02-9P 163334-04-1P 163334-14-3P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of 6-position modified decapeptide LHRH antagonists)

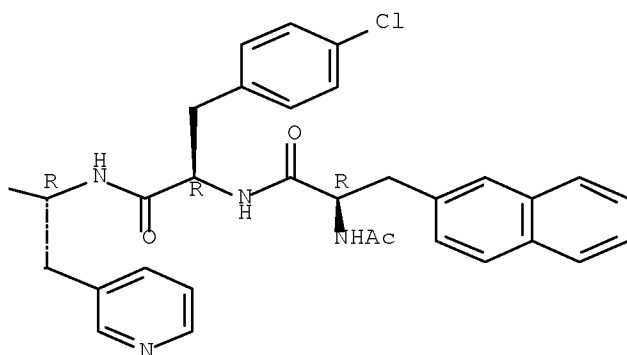
RN 163334-02-9 CAPLUS

CN D-Alaninamide, N-acetyl-3-(2-naphthalenyl)-D-alanyl-4-chloro-D-phenylalanyl-3-(3-pyridinyl)-D-alanyl-L-seryl-N-methyl-L-tyrosyl-N6-[[2-(1H-indol-2-ylcarbonyl)hydrazino]carbonyl]-D-lysyl-L-leucyl-N6-(1-methylethyl)-L-lysyl-L-prolyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

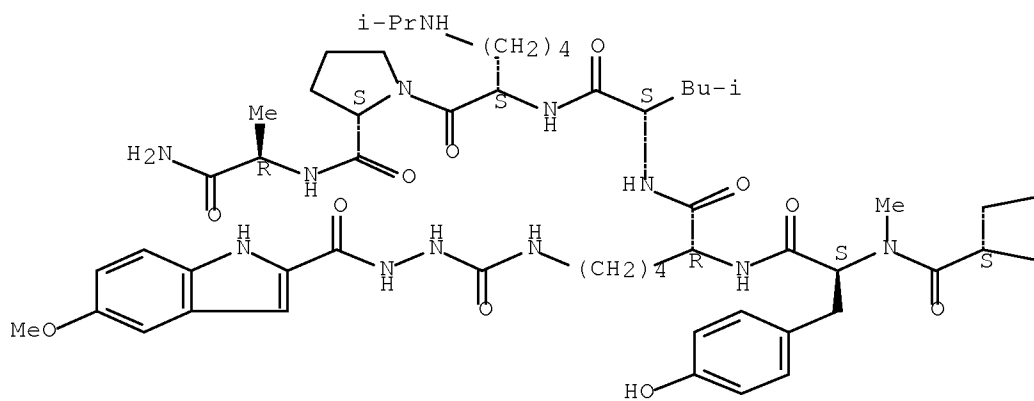


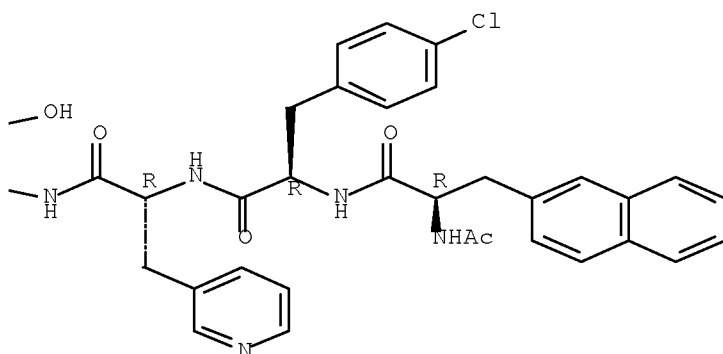


RN 163334-04-1 CAPLUS

CN D-Alaninamide, N-acetyl-3-(2-naphthalenyl)-D-alanyl-4-chloro-D-phenylalanyl-3-(3-pyridinyl)-D-alanyl-L-seryl-N-methyl-L-tyrosyl-N6-[[2-[(5-methoxy-1H-indol-2-yl)carbonyl]hydrazino]carbonyl]-D-lysyl-L-leucyl-N6-(1-methylethyl)-L-lysyl-L-prolyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

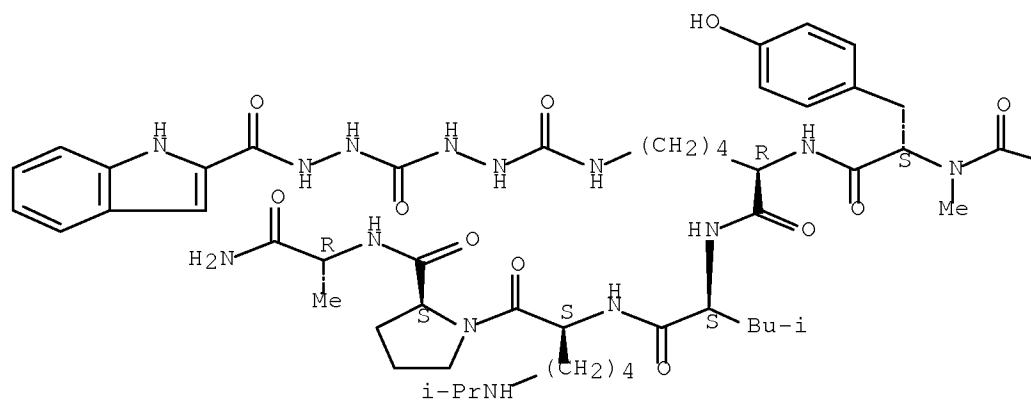


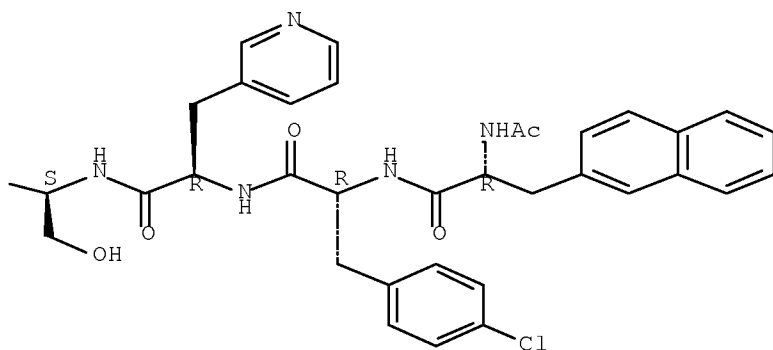


RN 163334-14-3 CAPLUS

CN D-Alaninamide, N-acetyl-3-(2-naphthalenyl)-D-alanyl-4-chloro-D-phenylalanyl-3-(3-pyridinyl)-D-alanyl-L-seryl-N-methyl-L-tyrosyl-N6-[[2-[[2-(1H-indol-2-ylcarbonyl)hydrazino]carbonyl]hydrazino]carbonyl]-D-lysyl-L-leucyl-N6-(1-methylethyl)-L-lysyl-L-prolyl- (9CI) (CA INDEX NAME)

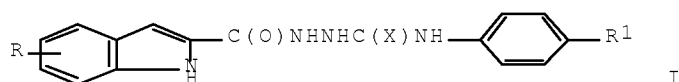
Absolute stereochemistry.





OSC.G 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)  
 RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 20 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 1994:482943 CAPLUS Full-text  
 DN 121:82943  
 OREF 121:14897a,14900a  
 TI Synthesis and biological activities of indolyl thiosemicarbazides and semicarbazides  
 AU Hiremath, S. P.; Biradar, J. S.; Nazeer, S.; Padashetty, N. S.  
 CS Dep. Chem., Gulbarga Univ., Gulbarga, India  
 SO Acta Ciencia Indica, Chemistry (1992), 18(4), 397-400  
 CODEN: ACICDV; ISSN: 0253-7338  
 DT Journal  
 LA English  
 GI



AB Substituted ethylindole-2-carboxylates were prepared by Fischer indolization. These esters were converted to hydrazides on reaction with hydrazine hydrate. Hydrazides were made to react with isothiocyanates and isocyanates to obtain thiosemicarbazides and semicarbazides (I; X = S, O; R = 5-Br, 5-MeO, etc.; R1 = H, Me, Cl, etc.). Very good microbicidal activity was observed with the compds. prepared

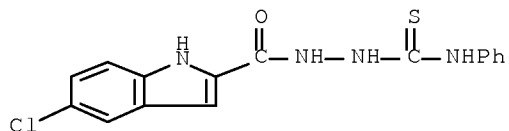
IT 126016-01-1P 126016-03-3P 126016-06-6P  
 156550-02-6P 156550-03-7P 156550-04-8P  
 156550-05-9P 156550-06-0P 156550-07-1P  
 156550-08-2P 156550-09-3P 156550-10-6P  
 156550-11-7P 156550-12-8P 156550-13-9P  
 156550-14-0P 156550-15-1P 156550-16-2P  
 156550-17-3P 156550-18-4P 156550-19-5P  
 156550-20-8P 156550-21-9P 156550-22-0P  
 156550-23-1P 156550-24-2P 156550-25-3P  
 156550-26-4P 156550-27-5P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological

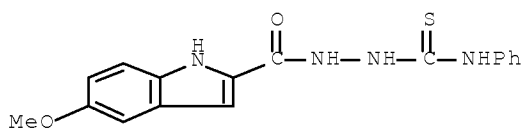
study); PREP (Preparation)

(preparation and bactericidal and fungicidal activities of)

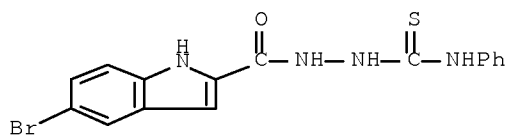
RN 126016-01-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)

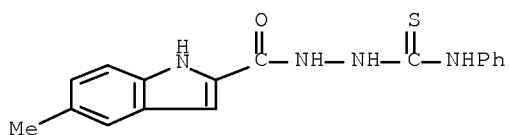
RN 126016-03-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)

RN 126016-06-6 CAPLUS

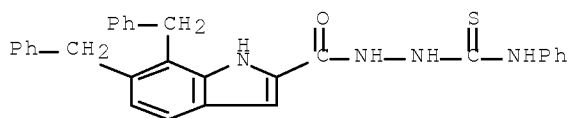
CN 1H-Indole-2-carboxylic acid, 5-bromo-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)

RN 156550-02-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methyl-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)

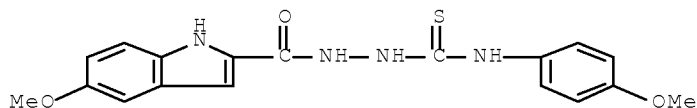
RN 156550-03-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 6,7-bis(phenylmethyl)-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



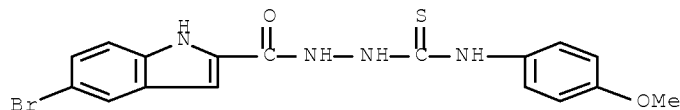
RN 156550-04-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-,  
2-[[4-methoxyphenyl]amino]thioxomethyl]hydrazide (CA INDEX NAME)



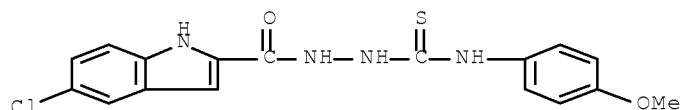
RN 156550-05-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-,  
2-[[4-methoxyphenyl]amino]thioxomethyl]hydrazide (CA INDEX NAME)



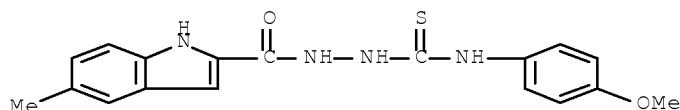
RN 156550-06-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[[4-methoxyphenyl]amino]thioxomethyl]hydrazide (CA INDEX NAME)



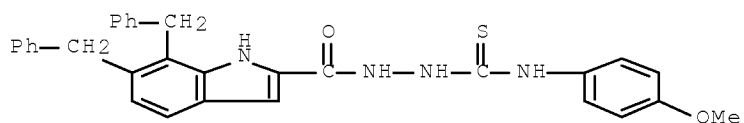
RN 156550-07-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methyl-,  
2-[[4-methoxyphenyl]amino]thioxomethyl]hydrazide (CA INDEX NAME)



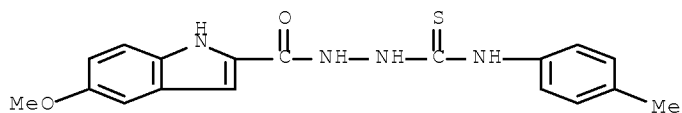
RN 156550-08-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 6,7-bis(phenylmethyl)-,  
2-[[4-methoxyphenyl]amino]thioxomethyl]hydrazide (CA INDEX NAME)



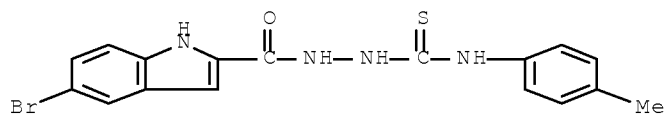
RN 156550-09-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-,  
2-[[ (4-methylphenyl) amino]thioxomethyl]hydrazide (CA INDEX NAME)



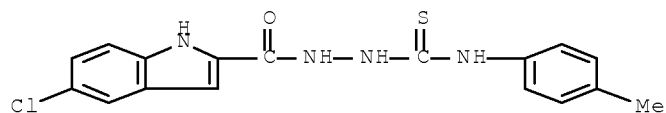
RN 156550-10-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-,  
2-[[ (4-methylphenyl) amino]thioxomethyl]hydrazide (CA INDEX NAME)



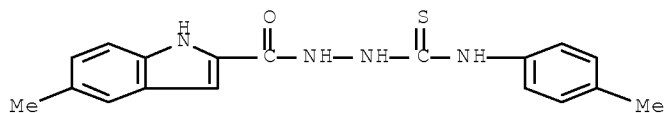
RN 156550-11-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[[ (4-methylphenyl) amino]thioxomethyl]hydrazide (CA INDEX NAME)



RN 156550-12-8 CAPLUS

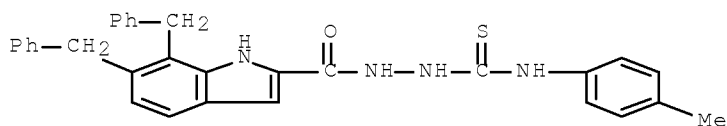
CN 1H-Indole-2-carboxylic acid, 5-methyl-,  
2-[[ (4-methylphenyl) amino]thioxomethyl]hydrazide (CA INDEX NAME)



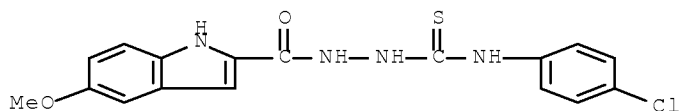
RN 156550-13-9 CAPLUS

10/591,895

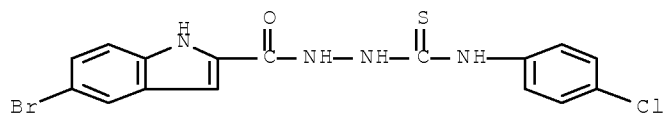
CN 1H-Indole-2-carboxylic acid, 6,7-bis(phenylmethyl)-,  
2-[[ (4-methylphenyl) amino]thioxomethyl]hydrazide (CA INDEX NAME)



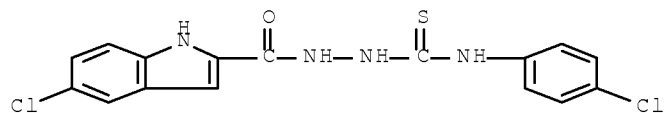
RN 156550-14-0 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-methoxy-,  
2-[[ (4-chlorophenyl) amino]thioxomethyl]hydrazide (CA INDEX NAME)



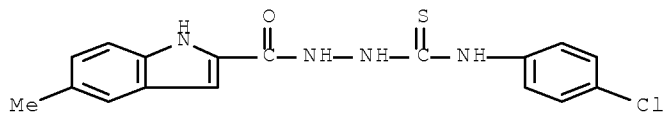
RN 156550-15-1 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-bromo-,  
2-[[ (4-chlorophenyl) amino]thioxomethyl]hydrazide (CA INDEX NAME)



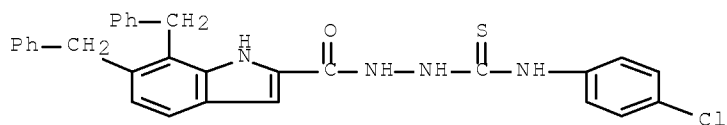
RN 156550-16-2 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[[ (4-chlorophenyl) amino]thioxomethyl]hydrazide (CA INDEX NAME)



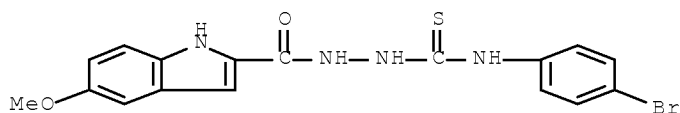
RN 156550-17-3 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-methyl-,  
2-[[ (4-chlorophenyl) amino]thioxomethyl]hydrazide (CA INDEX NAME)



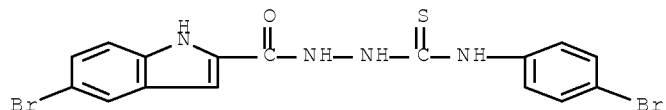
RN 156550-18-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 6,7-bis(phenylmethyl)-,  
2-[[ (4-chlorophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)

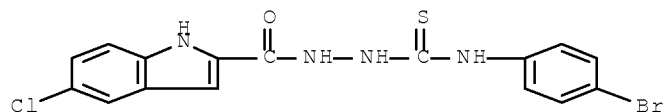
RN 156550-19-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-,  
2-[[ (4-bromophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)

RN 156550-20-8 CAPLUS

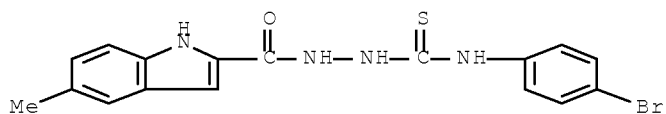
CN 1H-Indole-2-carboxylic acid, 5-bromo-,  
2-[[ (4-bromophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)

RN 156550-21-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[[ (4-bromophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)

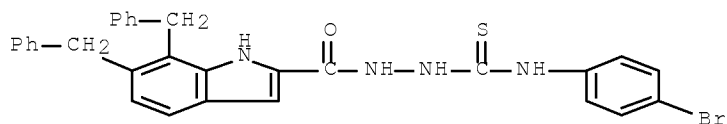
RN 156550-22-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methyl-,  
2-[[ (4-bromophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



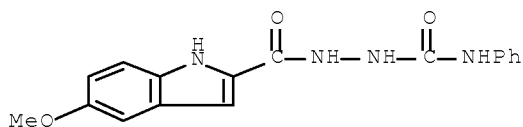
RN 156550-23-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 6,7-bis(phenylmethyl)-,  
2-[[4-bromophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



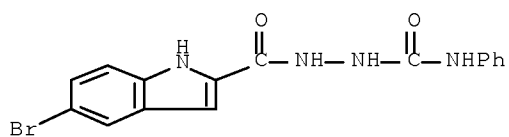
RN 156550-24-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-,  
2-[(phenylamino)carbonyl]hydrazide (CA INDEX NAME)



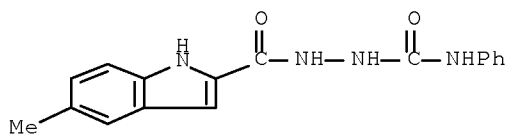
RN 156550-25-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-, 2-[(phenylamino)carbonyl]hydrazide  
(CA INDEX NAME)



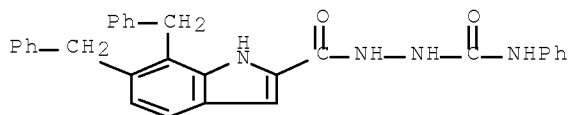
RN 156550-26-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methyl-, 2-[(phenylamino)carbonyl]hydrazide  
(CA INDEX NAME)



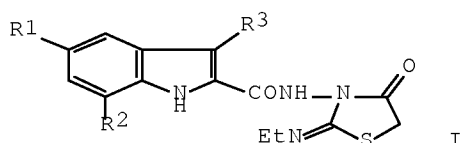
RN 156550-27-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 6,7-bis(phenylmethyl)-,  
2-[(phenylamino)carbonyl]hydrazide (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

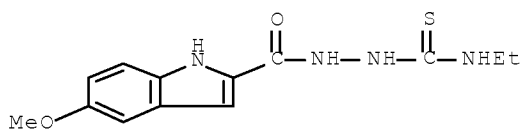
L5 ANSWER 21 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
AN 1994:435419 CAPLUS Full-text  
DN 121:35419  
OREF 121:6543a,6546a  
TI Synthesis and antibacterial activity of indolylthiazolidinones  
AU Sonar, V.N.; Sirajuddin, M.  
CS V.L. Coll. Pharm., Raichur, 584 101, India  
SO Indian Journal of Heterocyclic Chemistry (1993), 3(2), 107-10  
CODEN: IJCHEI; ISSN: 0971-1627  
DT Journal  
LA English  
GI



AB Substituted indole-2-carboxylates were reacted with hydrazine hydrate to give the corresponding carboxyhydrazides. These hydrazides on being condensed with Et isothiocyanate gave 1-ethyl-3-(substituted-indole-2'-carboxamido)thioureas, which on treatment with chloroacetic acid in presence of sodium acetate in acetic acid afforded corresponding the title compds. I (R1 = MeO, Cl, Br, Me; R2 = H, Br; R3 = H, Me, Ph) in good yields.

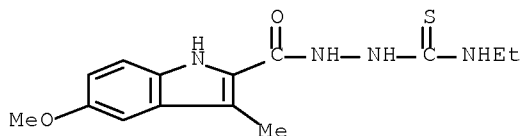
IT 155636-28-5P 155636-29-6P 155636-30-9P  
155636-31-0P 155636-32-1P 155636-33-2P  
155636-34-3P 155636-35-4P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and cyclization of, with chloroacetic acid)

RN 155636-28-5 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-methoxy-,  
2-[(ethylamino)thioxomethyl]hydrazide (CA INDEX NAME)



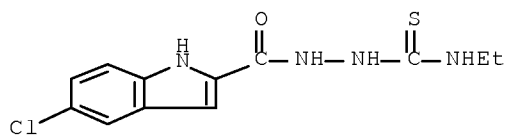
RN 155636-29-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-,  
2-[(ethylamino)thioxomethyl]hydrazide (CA INDEX NAME)



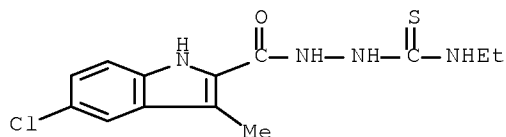
RN 155636-30-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-,  
2-[(ethylamino)thioxomethyl]hydrazide (CA INDEX NAME)



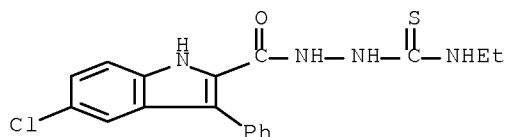
RN 155636-31-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-,  
2-[(ethylamino)thioxomethyl]hydrazide (CA INDEX NAME)

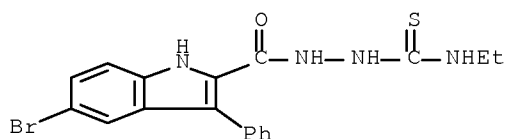


RN 155636-32-1 CAPLUS

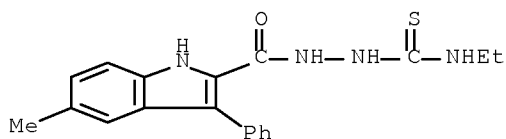
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-,  
2-[(ethylamino)thioxomethyl]hydrazide (CA INDEX NAME)



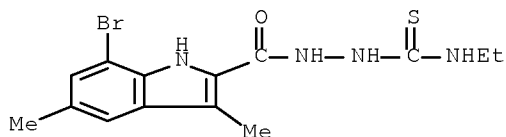
RN 155636-33-2 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-,  
 2-[(ethylamino)thioxomethyl]hydrazide (CA INDEX NAME)



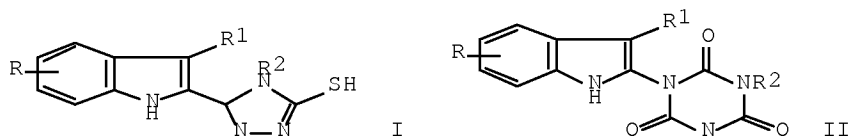
RN 155636-34-3 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 5-methyl-3-phenyl-,  
 2-[(ethylamino)thioxomethyl]hydrazide (CA INDEX NAME)



RN 155636-35-4 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 7-bromo-3,5-dimethyl-,  
 2-[(ethylamino)thioxomethyl]hydrazide (CA INDEX NAME)



L5 ANSWER 22 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 1994:164124 CAPLUS Full-text  
 DN 120:164124  
 OREF 120:28955a,28958a  
 TI Synthesis of biheterocycles containing indole nucleus  
 AU Hiremath, S. P.; Bajji, A. C.; Biradar, J. S.  
 CS Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India  
 SO Proceedings of the National Academy of Sciences, India, Section A:  
 Physical Sciences (1992), 62(2), 161-6  
 CODEN: PAIAA3; ISSN: 0369-8203  
 DT Journal  
 LA English  
 GI



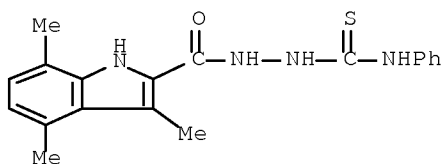
AB (Indolyl)triazolethioles I (R = alkyl, alkoxy; R1 = alkyl, phenyl; R2 = aryl) and (indolyl)pyrimidinetriones II (R = halo, alkyl, alkoxy; R2 = hydrogen, alkyl; R2 = aryl) were prepared and tested for antimicrobial activity.

IT 117844-56-1P 121649-91-0P 121674-03-1P  
 148372-27-4P 148372-28-5P 148372-29-6P  
 148372-30-9P 152586-36-2P 152586-37-3P  
 152586-38-4P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of, as antimicrobial agent)

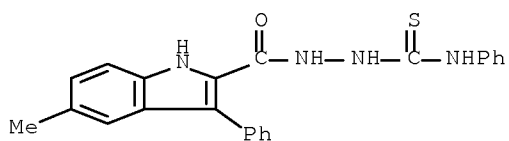
RN 117844-56-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3,4,7-trimethyl-,  
 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



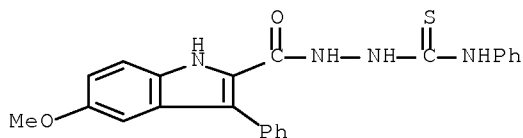
RN 121649-91-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methyl-3-phenyl-,  
 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)

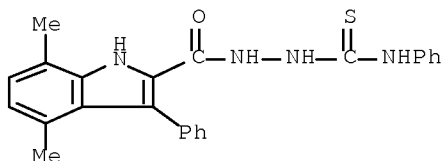


RN 121674-03-1 CAPLUS

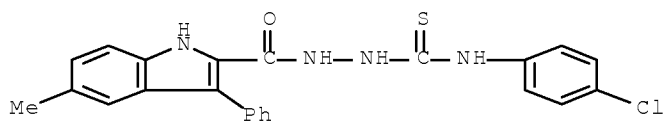
CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-phenyl-,  
 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



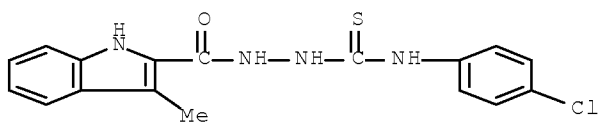
RN 148372-27-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 4,7-dimethyl-3-phenyl-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)

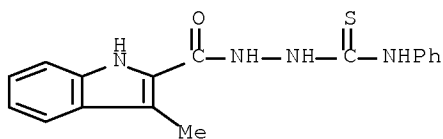
RN 148372-28-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methyl-3-phenyl-,  
2-[[ (4-chlorophenyl) amino]thioxomethyl]hydrazide (CA INDEX NAME)

RN 148372-29-6 CAPLUS

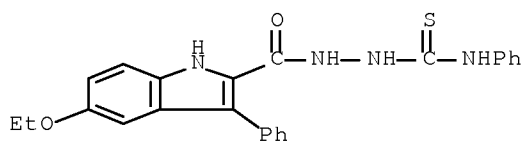
CN 1H-Indole-2-carboxylic acid, 3-methyl-,  
2-[[ (4-chlorophenyl) amino]thioxomethyl]hydrazide (CA INDEX NAME)

RN 148372-30-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3-methyl-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)

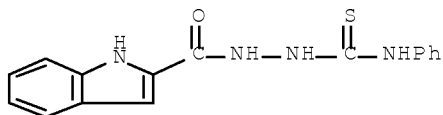
RN 152586-36-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-ethoxy-3-phenyl-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



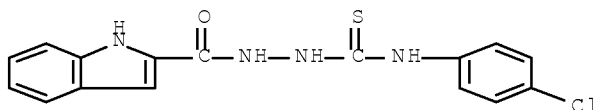
RN 152586-37-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



RN 152586-38-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-[[4-chlorophenyl]amino]thioxomethyl]hydrazide (CA INDEX NAME)

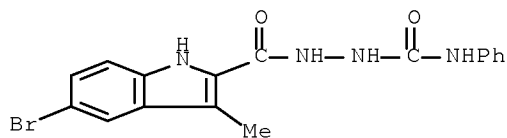


IT 152586-53-3P 152586-55-5P 152586-56-6P  
152586-57-7P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of, as intermediate for (indolyl)pyrimidinetrione  
(antimicrobial agent))

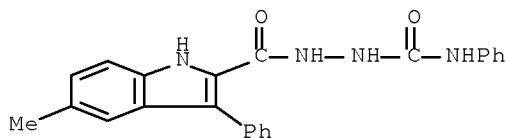
RN 152586-53-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-,  
2-[(phenylamino)carbonyl]hydrazide (CA INDEX NAME)



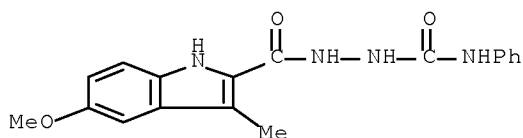
RN 152586-55-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methyl-3-phenyl-,  
2-[(phenylamino)carbonyl]hydrazide (CA INDEX NAME)



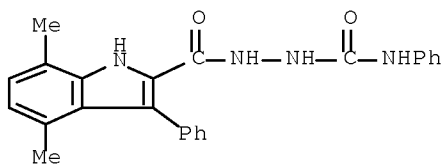
RN 152586-56-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-,  
2-[(phenylamino)carbonyl]hydrazide (CA INDEX NAME)



RN 152586-57-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 4,7-dimethyl-3-phenyl-,  
2-[(phenylamino)carbonyl]hydrazide (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L5 ANSWER 23 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1993:580707 CAPLUS Full-text

DN 119:180707

OREF 119:32303a,32306a

TI Synthesis and platelet aggregation inhibiting activity of new  
1,3,4-oxadiazoles prepared by cyclodesulfurization of thiosemicarbazides  
with dicyclohexylcarbodiimide

AU Monge, A.; Aldana, I.; Arraras, J. A.; Fernandez-Alvarez, E.

CS Dep. Quim. Org. Farm., Univ. Navarra, Pamplona, 31080, Spain

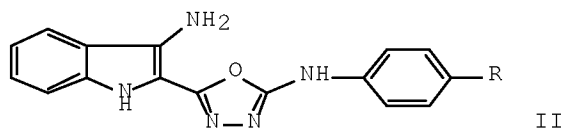
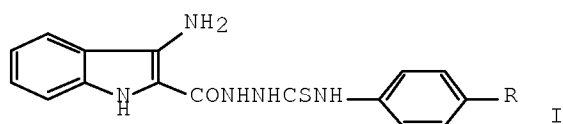
SO Anales de Quimica (1992), 88(5-6), 607-9

CODEN: ANQUEX; ISSN: 1130-2283

DT Journal

LA Spanish

GI

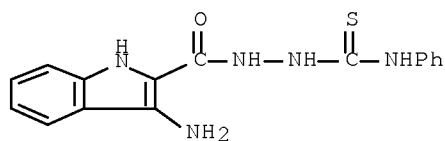


AB The thiosemicarbazides I (R = H, Cl) were prepared from the indolecarbohydrazide and 4-RC<sub>6</sub>H<sub>4</sub>NCS and were cyclized to the oxadiazoles II. At 5X10<sup>-4</sup>M I and II caused 9.7-34.5% inhibition of ADP-induced blood platelet aggregation.

IT 150363-95-4 150363-96-5  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation as blood platelet aggregation inhibitor)

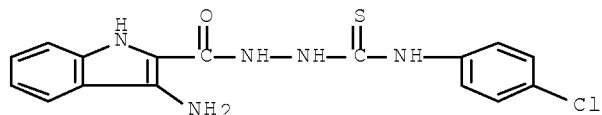
RN 150363-95-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3-amino-,  
 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



RN 150363-96-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3-amino-,  
 2-[[ (4-chlorophenyl) amino]thioxomethyl]hydrazide (CA INDEX NAME)



L5 ANSWER 24 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1993:441207 CAPLUS [Full-text](#)

DN 119:41207

OREF 119:7311a,7314a

TI Possible antifertility agents belonging to substituted indoles

AU Hiremath, Shivayogi P.; Bajji, Ashok C.; Rao, S. Hanumanth

CS Dep. Chem., Gulgarga Univ., Gulbarga, 585106, India

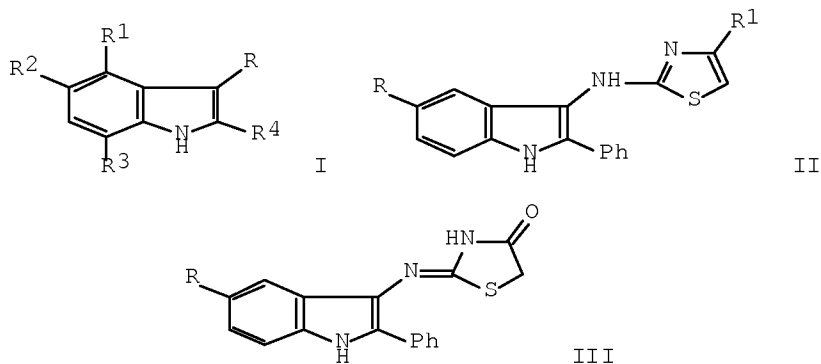
SO Biological & Pharmaceutical Bulletin (1993), 16(1), 36-8

CODEN: BPBLEO; ISSN: 0918-6158

DT Journal

LA English

GI



AB Of the 21 compds. evaluated for antiimplantation and abortifacient activities compds. of general structure I, (where R = Ph, R1 = R3 = Me, R2 = H, and R4 = CONHNHCSNHPh, where R = Ph, R1 = R3 = H, R1 = Me and R4 = CONHNHCSNHC6H4-p-Cl, where R = Me, R1 = R2 = R3 = H, and R4 = CONHNHCSNHPh, and where R = NHCSNHCOPh, R1 = R3 = H, 2 = Me, and R4 = Ph), compds. of general structure II (where R = Me and R1 = Ph and where R = H and R1 = Ph) and compds. of general structure III (where R = Me or Cl) exhibited 30-40% antiimplantation activity in rats when given orally on days 1-5 postcoitum. The remaining 13 compds. had no antiimplantation activity and none of the 21 compds. induced abortion.

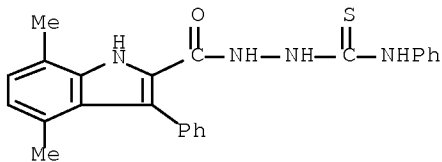
IT 148372-27-4 148372-28-5 148372-29-6  
148372-30-9

RL: BIOL (Biological study)

(abortifacient and antiimplantation activities of)

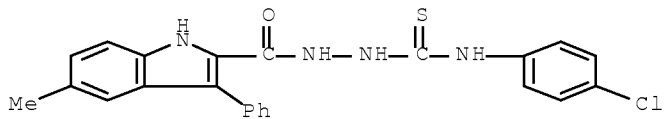
RN 148372-27-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 4,7-dimethyl-3-phenyl-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)

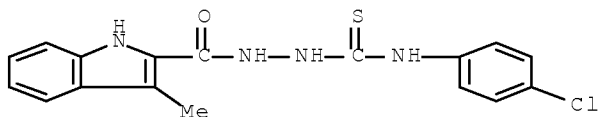


RN 148372-28-5 CAPLUS

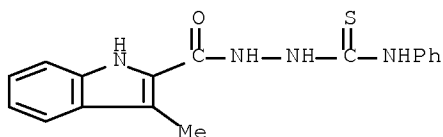
CN 1H-Indole-2-carboxylic acid, 5-methyl-3-phenyl-,  
2-[[ (4-chlorophenyl) amino]thioxomethyl]hydrazide (CA INDEX NAME)



RN 148372-29-6 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 3-methyl-,  
 2-[[ (4-chlorophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



RN 148372-30-9 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 3-methyl-,  
 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

L5 ANSWER 25 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 1992:448431 CAPLUS Full-text  
 DN 117:48431  
 OREF 117:8639a,8642a  
 TI Synthesis of substituted 2,5-bis(oxadiazolyl/thiazolidino/pyrazolyl/pyrimidinediono)indoles and oxadiazolyl/thiadiazolyl/triazolyl/thiazolidinone analogs of benzothiophene and their antibacterial activity  
 AU Hiremath, S. P.; Shivaramayya, K.; Purohit, M. G.  
 CS Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India  
 SO Indian Journal of Heterocyclic Chemistry (1992), 1(4), 177-84  
 CODEN: IJCHEI; ISSN: 0971-1627  
 DT Journal  
 LA English  
 GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB The substituted indole-2,5-dicarbohydrazides I (R = Me, Et, Ph) on reaction with Et chloroformate in alc. yield Nβ-carbethoxyindole-2,5-dicarbohydrazides. These on heating in di-Ph ether give 2,5-bis(5'-oxo-1',3',4'-oxadiazol-2'-yl)indoles II in good yields. Treatment of I with Me isothiocyanate afford 1-methyl-3-(3'-substituted indole-2',5'-dicarboxamido)thioureas, which are converted into 3-(3'-substituted indole-2',5'-dicarboxamido)-2-methylimino-4-thiazolidinones on reaction with chloroacetic acid and NaOAc in presence of AcOH. Bis-3-substituted-1-(substituted indol-2',5'-yl)ureas are obtained by refluxing the corresponding dicarboxyazides with various aromatic amines. The ureas on reaction with di-Et malonate and NaOEt in dry EtOH produced 3-

substituted phenyl-1-(3'-substituted indol-2',5'-yl)-2,3-dihydro-2-oxo-4,6-(1H,5H)-pyrimidinediones, e.g. III. Further, substituted indole-2,5-dicarbohydrazides when heated with 1,3-diketones in methanol afford the 3-substituted 2,5-bis(3',5'-disubstituted pyrazole-1'-carbonyl)indoles. 3-Chloro-6-substituted benzo(b)thiophene-2-carbohydrazides are condensed with substituted isothiocyanates to give 1-substituted-3-(6'-substituted-3'-chlorobenzo(b)thiophene-2'-carboxamido)thioureas, e.g. IV. The thioureas on treatment with I<sub>2</sub> in KI/H<sub>2</sub>PO<sub>4</sub>/NaOH yield 3-chloro-6-substituted-2-(2'-substituted amino-1',3',4'-oxadiazol-2-yl), 2-(5'-substituted amino-1',3',4'-thiadiazol-2-yl) and 2-(N-phenyl-5'-mercapto-1',2',4'-triazol-3'-yl)benzo(b)thiophenes, resp. The thioureas are also converted to 3-(3'-chloro-6'-substituted-benzo(b)thiophene-2'-carboxamido)-2-substituted imino-4-thiazolidinones, e.g. V, by treatment with chloroacetic acid in presence of sodium acetate in acetic acid.

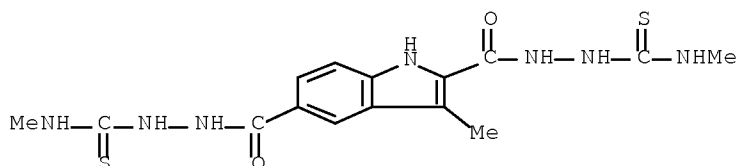
IT 142137-36-8F 142137-47-1F 142137-48-2F

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation, cyclization with chloroacetic acid, and bactericidal activity of)

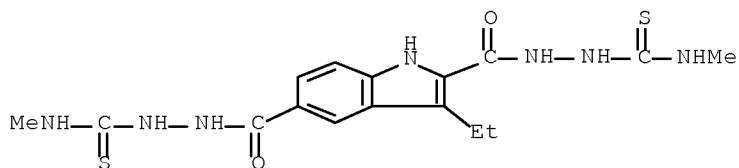
RN 142137-36-8 CAPLUS

CN 1H-Indole-2,5-dicarboxylic acid, 3-methyl-,  
bis[2-[(methylamino)thioxomethyl]hydrazide] (9CI) (CA INDEX NAME)



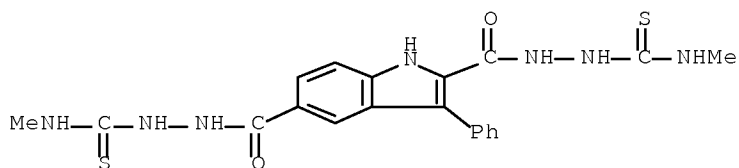
RN 142137-47-1 CAPLUS

CN 1H-Indole-2,5-dicarboxylic acid, 3-ethyl-,  
bis[2-[(methylamino)thioxomethyl]hydrazide] (9CI) (CA INDEX NAME)

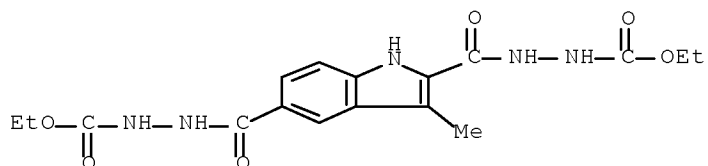


RN 142137-48-2 CAPLUS

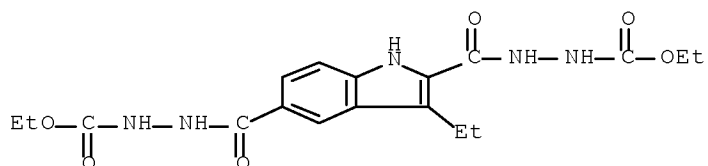
CN 1H-Indole-2,5-dicarboxylic acid, 3-phenyl-,  
2,5-bis[2-[(methylamino)thioxomethyl]hydrazide] (CA INDEX NAME)



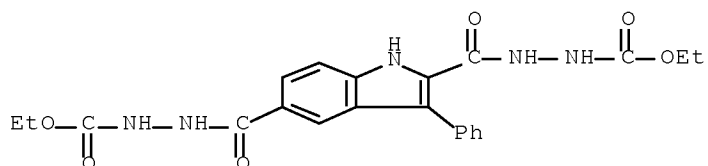
IT 142137-34-6P 142137-43-7P 142137-44-8P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation, intramol. cyclization, and bactericidal activity of)  
 RN 142137-34-6 CAPLUS  
 CN 1H-Indole-2,5-dicarboxylic acid, 3-methyl-,  
 bis[2-(ethoxycarbonyl)hydrazide] (9CI) (CA INDEX NAME)



RN 142137-43-7 CAPLUS  
 CN 1H-Indole-2,5-dicarboxylic acid, 3-ethyl-,  
 bis[2-(ethoxycarbonyl)hydrazide] (9CI) (CA INDEX NAME)



RN 142137-44-8 CAPLUS  
 CN 1H-Indole-2,5-dicarboxylic acid, 3-phenyl-,  
 bis[2-(ethoxycarbonyl)hydrazide] (9CI) (CA INDEX NAME)



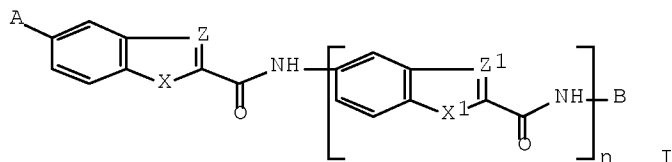
OSC.G 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

L5 ANSWER 26 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 1992:6408 CAPLUS Full-text  
 DN 116:6408  
 OREF 116:1267a,1270a  
 TI Preparation of aminoindolecarboxamide derivatives as neoplasm inhibitors  
 IN Mongelli, Nicola; D'Alessio, Roberto; Grandi, Maria; Spreafico, Federico  
 PA Farmitalia Carlo Erba S.r.l., Italy  
 SO Ger. Offen., 9 pp.  
 CODEN: GWXXBX  
 DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4106860	A1	19910919	DE 1991-4106860	19910304 <--
	GB 2241950	A	19910918	GB 1990-5529	19900312 <--
	GB 2241950	B	19930512		
	JP 05148227	A	19930615	JP 1991-67875	19910307 <--
PRAI	GB 1990-5529	A	19900312		
OS	CASREACT 116:6408; MARPAT 116:6408				
GI					



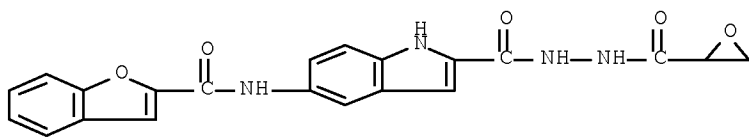
AB Title compds. [I; A = 14, NHCOR1, NR2R3; R1 = 2-haloacryloyl, (substituted) oxiranyl; R2, R3 = H, halo- or R4O2SO-substituted alkyl; R4 = alkyl, Ph; B = H, (CH2)mNHCOR1; m = 0-3; Z, Z1 = CH, CH:CH; X = N, O, S; n = 0, 1], were prepared. Thus, a solution of H2C:CBrcO2H and Et3N in THF at -10° was treated with Me3CCOCl; Et3N.HCl was filtered off and the soln was added to a DMF solution of 5-(benzofuran-2-carboxamido)indol-2- carbohydrazide to give 2'-( $\alpha$ -bromoacryloyl)-5-(benzofuran-2- carboxamido)indol-2-carbohydrazide (II). II had IC50 of 0.188  $\mu$ g/mL against <1210 leukemia. An injection containing II was prepared

IT 137855-52-8P 137855-53-9P 137855-59-5P  
137855-61-9P 137855-62-0P 137855-66-4P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of, as neoplasm inhibitor)

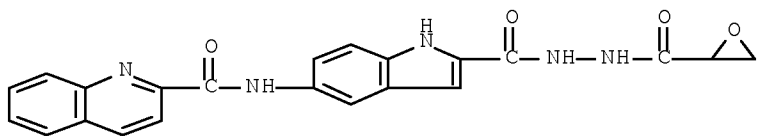
RN 137855-52-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-[(2-benzofuranylcarbonyl)amino]-, 2-(2-oxiranylcarbonyl)hydrazide (CA INDEX NAME)



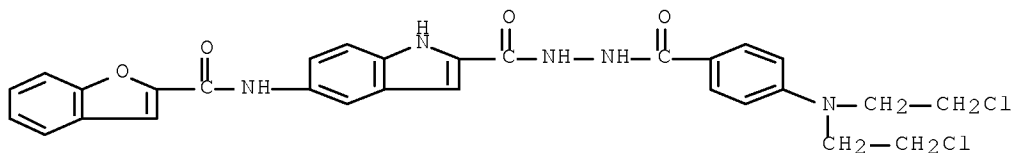
RN 137855-53-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-[(2-quinolinylcarbonyl)amino]-, 2-(2-oxiranylcarbonyl)hydrazide (CA INDEX NAME)



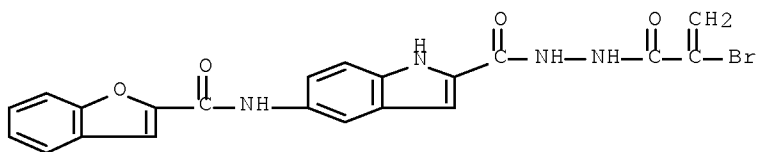
RN 137855-59-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-[(2-benzofuranylcarbonyl)amino]-,  
2-[4-[bis(2-chloroethyl)amino]benzoyl]hydrazide (CA INDEX NAME)



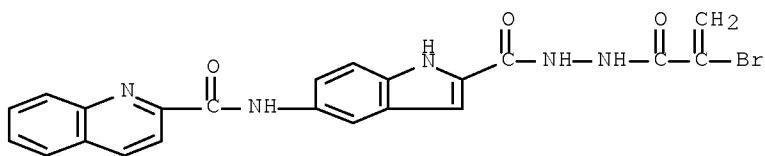
RN 137855-61-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-[(2-benzofuranylcarbonyl)amino]-,  
2-(2-bromo-1-oxo-2-propen-1-yl)hydrazide (CA INDEX NAME)



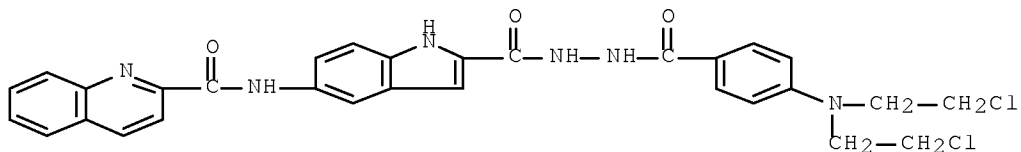
RN 137855-62-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-[(2-quinolinylcarbonyl)amino]-,  
2-(2-bromo-1-oxo-2-propen-1-yl)hydrazide (CA INDEX NAME)

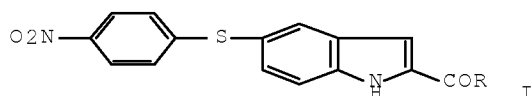


RN 137855-66-4 CAPLUS

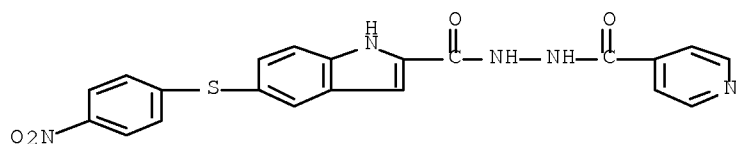
CN 1H-Indole-2-carboxylic acid, 5-[(2-quinolinylcarbonyl)amino]-,  
2-[4-[bis(2-chloroethyl)amino]benzoyl]hydrazide (CA INDEX NAME)



L5 ANSWER 27 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 1991:655943 CAPLUS Full-text  
 DN 115:255943  
 OREF 115:43513a,43516a  
 TI Synthesis of some derivatives of 5-(p-nitrophenylthio)indole-2-carboxylic acid  
 AU Chikvaidze, I. Sh.; Megrelishvili, N. Sh.; Samsoniya, Sh. A.; Suvorov, N. N.  
 CS Tbilisi. Gos. Univ., Tbilisi, USSR  
 SO Soobshcheniya Akademii Nauk Gruzii (1991), 141(3), 545-8  
 CODEN: SANGEF  
 DT Journal  
 LA Russian  
 GI



AB Amidation of indolecarbonyl chloride I (R = Cl), obtained in 98% yield from I (R = OH) and SOCl<sub>2</sub>, by primary amines, hydrazine, and isoniazid in dioxane containing Et<sub>3</sub>N gave 38-95% indolecarboxamides I (R = arylamine, Me<sub>2</sub>N, NH<sub>2</sub>NH, 4-pyridylcarbonylhydrazino).  
 IT 137225-66-2P  
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)  
 RN 137225-66-2 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 5-[(4-nitrophenyl)thio]-, 2-(4-pyridinylcarbonyl)hydrazide (CA INDEX NAME)



L5 ANSWER 28 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 1991:101858 CAPLUS Full-text  
 DN 114:101858  
 OREF 114:17365a,17368a  
 TI Synthesis of substituted 2,5-bis(1,3,4-oxadiazolyl/thiadiazolyl/1,2,4-triazolyl)indoles and study of their biological activities  
 AU Hiremath, S. P.; Shivaramayya, K.; Sekhar, K. Raja; Purohit, M. G.  
 CS Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India  
 SO Indian Journal of Chemistry, Section B: Organic Chemistry Including

DT Journal  
 LA English  
 OS CASREACT 114:101858  
 GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Di-Et indole-2,5-dicarboxylates are reacted with hydrazine hydrate to give the substituted indole-2,5-dicarbohydrazides I (R = Ph, Et, Me) which on reaction with PhCHO give the resp. hydrazones. The latter are cyclized using FeCl<sub>3</sub> to give 2,5-bis(5-phenyl-1,3,4-oxadiazol-2-yl)indoles II. Hydrazides I when refluxed with (EtO)<sub>3</sub>CH afford the 2,5-bis(1,3,4-oxadiazol-2-yl)indoles which are also obtained by reacting I with formamide to give the corresponding N-formyl derivs. followed by cyclodehydration with POCl<sub>3</sub>. Treatment of I with CS<sub>2</sub>-KOH gives the 2,5-bis(4,5-dihydro-5-thiono-1,3,4-oxadiazol-2-yl)indoles III in moderate yields. Refluxing I with substituted Ph isothiocyanates afford the thiosemicarbazides which are converted into 2,5-bis(5-anilino-1,3,4-oxadiazol-2-yl)indoles, 2,5-bis(5-anilino-1,3,4-thiadiazol-2-yl)indoles IV, and 2,5-bis(1-phenyl-5-mercapto-1,2,4-triazol-3-yl)indoles. Most compds. exhibit interesting bactericidal activity.

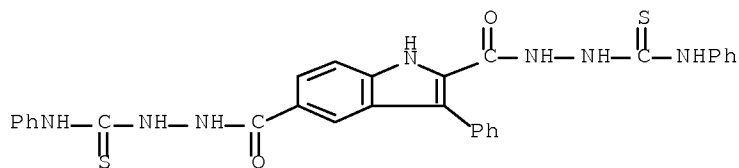
IT 132371-90-5P 132371-91-6P 132371-92-7P  
 132371-93-8P 132371-94-9P 132371-95-0P  
 132371-96-1P 132371-97-2P 132371-98-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and cyclocondensation reactions of)

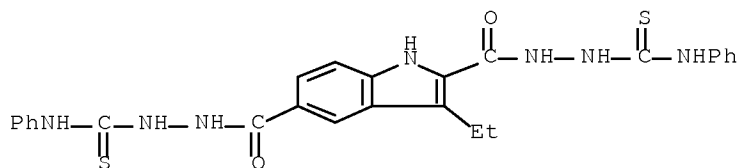
RN 132371-90-5 CAPLUS

CN 1H-Indole-2,5-dicarboxylic acid, 3-phenyl-,  
 2,5-bis[2-[(phenylamino)thioxomethyl]hydrazide] (CA INDEX NAME)



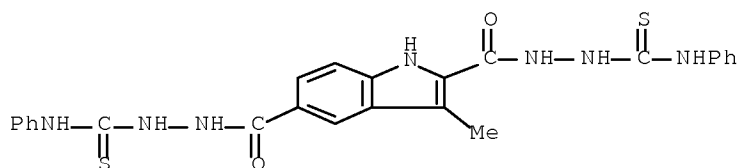
RN 132371-91-6 CAPLUS

CN 1H-Indole-2,5-dicarboxylic acid, 3-ethyl-,  
 2,5-bis[2-[(phenylamino)thioxomethyl]hydrazide] (CA INDEX NAME)

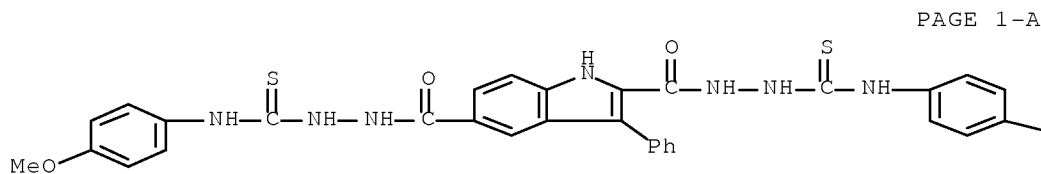


10/591,895

RN 132371-92-7 CAPLUS  
 CN 1H-Indole-2,5-dicarboxylic acid, 3-methyl-,  
 2,5-bis[2-[(phenylamino)thioxomethyl]hydrazide] (CA INDEX NAME)



RN 132371-93-8 CAPLUS  
 CN 1H-Indole-2,5-dicarboxylic acid, 3-phenyl-,  
 2,5-bis[2-[(4-methoxyphenyl)amino]thioxomethyl]hydrazide] (CA INDEX NAME)

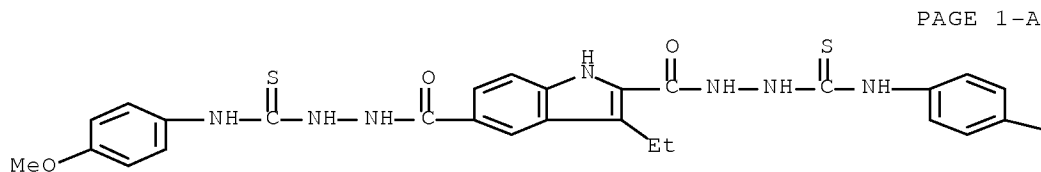


PAGE 1-A

PAGE 1-B

—OMe

RN 132371-94-9 CAPLUS  
 CN 1H-Indole-2,5-dicarboxylic acid, 3-ethyl-,  
 2,5-bis[2-[(4-methoxyphenyl)amino]thioxomethyl]hydrazide] (CA INDEX NAME)

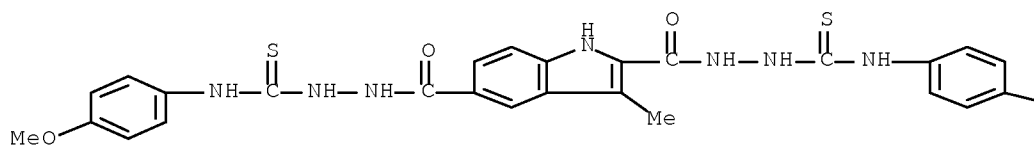


PAGE 1-A

—OMe

RN 132371-95-0 CAPLUS  
 CN 1H-Indole-2,5-dicarboxylic acid, 3-methyl-,  
 2,5-bis[2-[[ (4-methoxyphenyl) amino]thioxomethyl]hydrazide] (CA INDEX  
 NAME)

PAGE 1-A

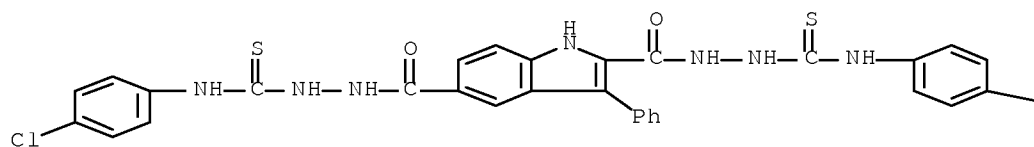


PAGE 1-B

—OMe

RN 132371-96-1 CAPLUS  
 CN 1H-Indole-2,5-dicarboxylic acid, 3-phenyl-,  
 2,5-bis[2-[[ (4-chlorophenyl) amino]thioxomethyl]hydrazide] (CA INDEX NAME)

PAGE 1-A

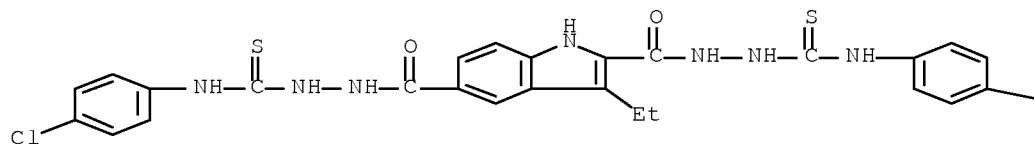


PAGE 1-B

—Cl

RN 132371-97-2 CAPLUS  
 CN 1H-Indole-2,5-dicarboxylic acid, 3-ethyl-,  
 2,5-bis[2-[[ (4-chlorophenyl) amino]thioxomethyl]hydrazide] (CA INDEX NAME)

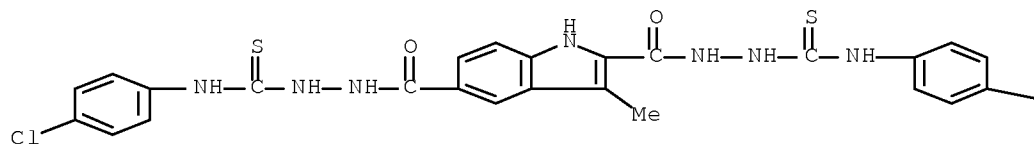
PAGE 1-A



PAGE 1-B

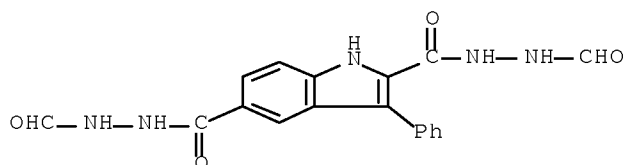
RN 132371-98-3 CAPLUS  
 CN 1H-Indole-2,5-dicarboxylic acid, 3-methyl-,  
 2,5-bis[2-[(4-chlorophenyl)amino]thioxomethyl]hydrazide] (CA INDEX NAME)

PAGE 1-A



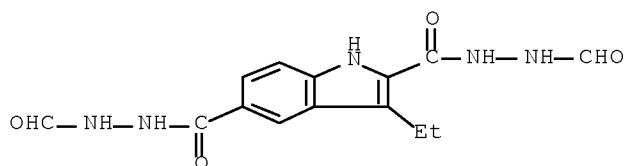
PAGE 1-B

IT 132371-82-5P 132371-83-6P 132371-84-7P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and intramol. cyclocondensation of, by phosphoryl chloride)  
 RN 132371-82-5 CAPLUS  
 CN 1H-Indole-2,5-dicarboxylic acid, 3-phenyl-, 2,5-bis(2-formylhydrazide)  
 (CA INDEX NAME)



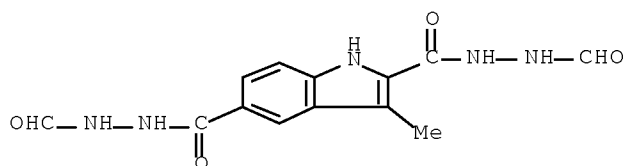
RN 132371-83-6 CAPLUS

CN 1H-Indole-2,5-dicarboxylic acid, 3-ethyl-, 2,5-bis(2-formylhydrazide) (CA INDEX NAME)



RN 132371-84-7 CAPLUS

CN 1H-Indole-2,5-dicarboxylic acid, 3-methyl-, 2,5-bis(2-formylhydrazide) (CA INDEX NAME)



OSC.G 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)

L5 ANSWER 29 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1990:478348 CAPLUS Full-text

DN 113:78348

OREF 113:13259a,13262a

TI Synthesis of 1,2,4-triazolo[3,4-f]-1,2,4-triazino[4,5-a]indoles

AU Hiremath, S. P.; Sekhar, K. Raja; Sonar, V. N.; Purohit, M. G.

CS Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India

SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1990), 29B(4), 372-5

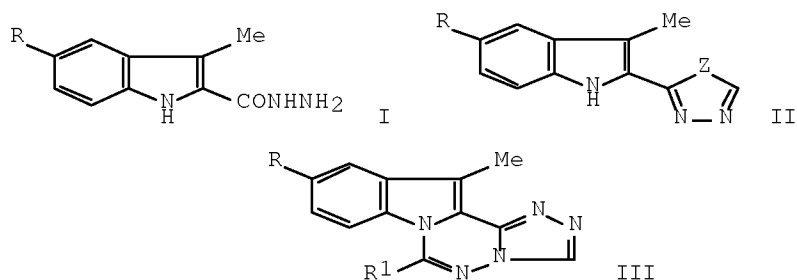
CODEN: IJSBDB; ISSN: 0376-4699

DT Journal

LA English

OS CASREACT 113:78348

GI

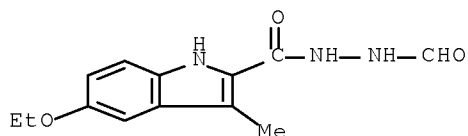


AB Substituted indole-2-carbohydrazides I (R = MeO, EtO, Me, Br, Cl) are formylated using formamide to get N $\beta$ -formylindole-2-carbohydrazides in good yields, which are cyclized using POCl<sub>3</sub> to the corresponding 1,3,4-oxadiazolylindoles II (Z = O). Treatment of II with hydrazine hydrate yields the resp. 1,3,4-triazolylindoles II (Z = NNH<sub>2</sub>), which on refluxing with formic acid or acetic acid afford 1,2,4-triazolo[3,4-f]-1,2,4-triazino[4,5-a]indoles III (R<sub>1</sub> = H, Me).

IT 128432-60-0P 128432-61-1P 128432-62-2P  
 128432-63-3P 128432-64-4P 128432-85-9P  
 128432-86-0P 128432-87-1P 128714-67-0P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and cyclization of)

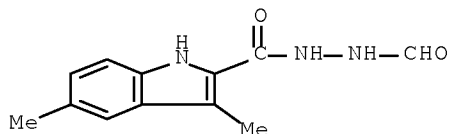
RN 128432-60-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-ethoxy-3-methyl-, 2-formylhydrazide (CA INDEX NAME)



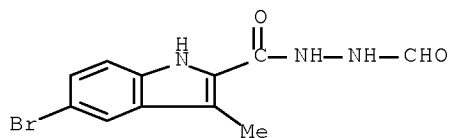
RN 128432-61-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3,5-dimethyl-, 2-formylhydrazide (CA INDEX NAME)



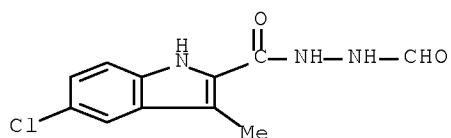
RN 128432-62-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-, 2-formylhydrazide (CA INDEX NAME)



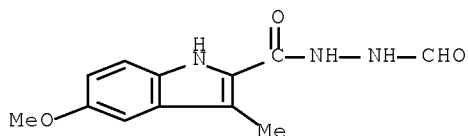
RN 128432-63-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-, 2-formylhydrazide (CA INDEX NAME)



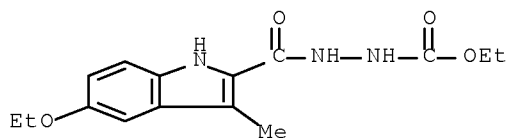
RN 128432-64-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-, 2-formylhydrazide (CA INDEX NAME)



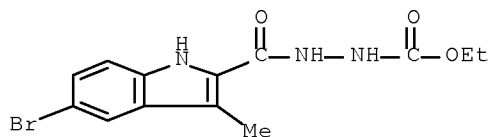
RN 128432-85-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-ethoxy-3-methyl-, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)

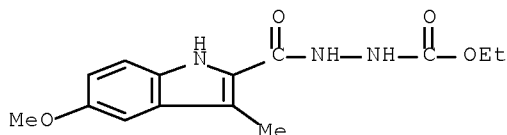


RN 128432-86-0 CAPLUS

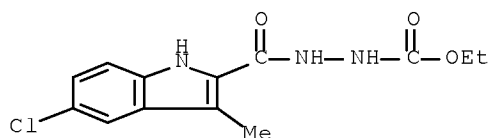
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



RN 128432-87-1 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-,  
 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



RN 128714-67-0 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-,  
 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L5 ANSWER 30 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1990:158093 CAPLUS Full-text

DN 112:158093

OREF 112:26723a,26726a

TI Synthesis of oxadiazolyl-, thiadiazolyl-, and triazolylindoles and  
 indolylthiazolidinones

AU Hiremath, S. P.; Sonar, V. N.; Sekhar, K. Raja; Purohit, M. G.

CS Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India

SO Indian Journal of Chemistry, Section B: Organic Chemistry Including  
 Medicinal Chemistry (1989), 28B(8), 626-30

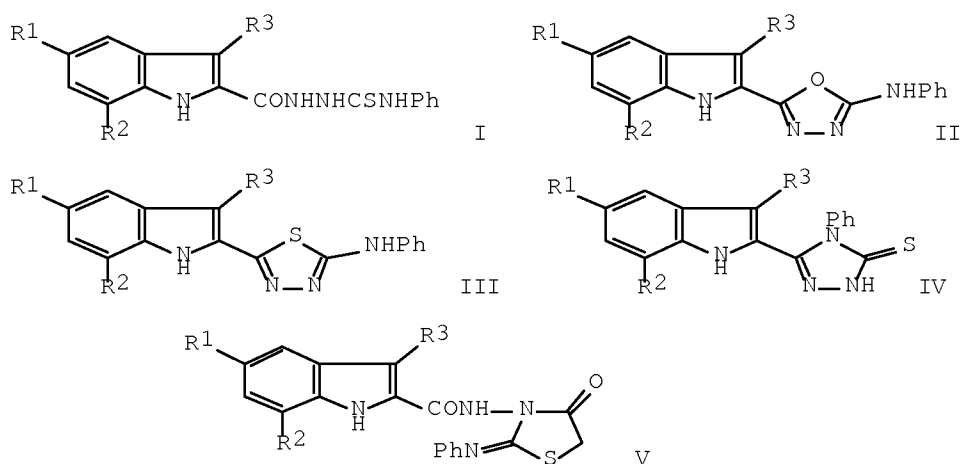
CODEN: IJSBDB; ISSN: 0376-4699

DT Journal

LA English

OS CASREACT 112:158093

GI



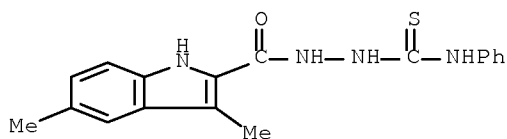
AB Et substituted indole-2-carboxylates are reacted with hydrazine hydrate to get the corresponding carbohydrazides. These hydrazides are condensed with Ph isothiocyanate to get 1-phenyl-3-(substituted indole-2'-carboxamido)thioureas I ( $R_1 = \text{Cl, OMe, Br}$ ;  $R_2 = \text{H, Br}$ ;  $R_3 = \text{H, Br, Ph, etc.}$ ), which on treatment with iodine-potassium iodide solution, phosphoric acid, and sodium hydroxide yield the substituted 2-(5'-phenylamino-1',3',4'-oxadiazol-2'-yl)indoles (II), 2-(5'-phenylamino-1',3',4'-thiadiazol-2'-yl)indoles (III), and 2-(5'-mercapto-4'-phenyl-1',2',4'-triazol-3'-yl)indoles (IV), resp. I are also converted into 3-(substituted indole-2'-carboxamido)-2-phenylimino-4-thiazolidinones V by treatment with chloroacetic acid in the presence of sodium acetate in acetic acid. Some examples of I-V showed fungicidal and bactericidal activity.

IT 117844-52-7P 117844-54-9P 117844-55-0P  
 121649-90-9P 121649-92-1P 121649-93-2P  
 126016-01-1P 126016-02-2P 126016-03-3P  
 126016-04-4P 126016-05-5P 126016-06-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and cyclization reactions of)

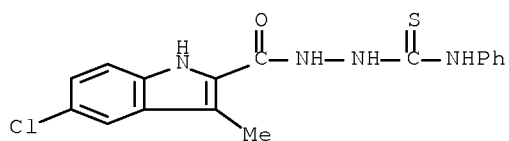
RN 117844-52-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3,5-dimethyl-,  
 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



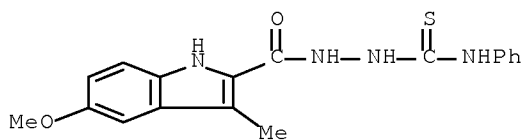
RN 117844-54-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-,  
 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



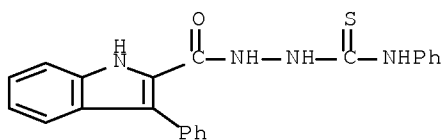
RN 117844-55-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



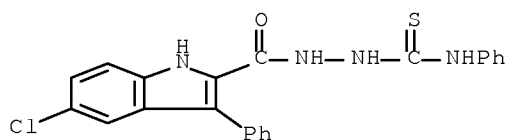
RN 121649-90-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3-phenyl-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



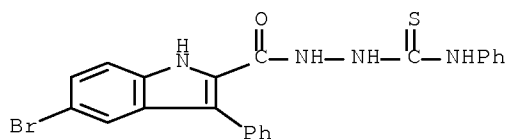
RN 121649-92-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)

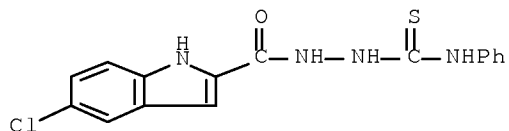


RN 121649-93-2 CAPLUS

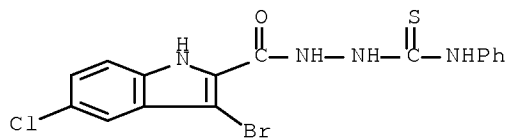
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



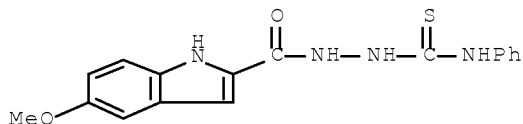
RN 126016-01-1 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



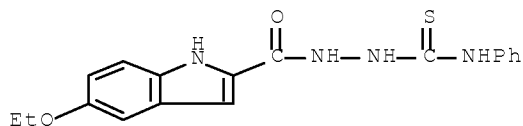
RN 126016-02-2 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 3-bromo-5-chloro-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



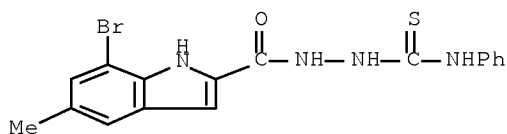
RN 126016-03-3 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-methoxy-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



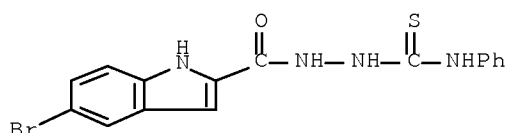
RN 126016-04-4 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-ethoxy-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



RN 126016-05-5 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 7-bromo-5-methyl-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)

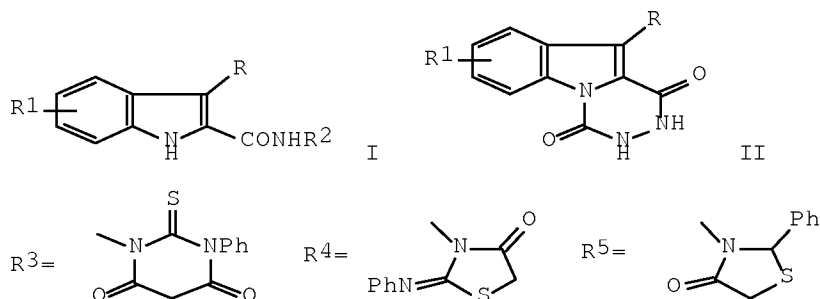


RN 126016-06-6 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 5-bromo-,  
 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



OSC.G 15 THERE ARE 15 CAPLUS RECORDS THAT CITE THIS RECORD (15 CITINGS)

L5 ANSWER 31 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 1989:457674 CAPLUS Full-text  
 DN 111:57674  
 OREF 111:9791a,9794a  
 TI Synthesis of substituted pyrimidinediones, thiazolidinones and triazinoindoles  
 AU Hiremath, Shivayogi P.; Ullagaddi, Ashok; Purohit, Muralidhar G.  
 CS Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India  
 SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1988), 27B(12), 1102-5  
 CODEN: IJSBDB; ISSN: 0376-4699  
 DT Journal  
 LA English  
 OS CASREACT 111:57674  
 GI



AB Indolecarbonylaminothioxopyrimidinediones I (R = Ph, R1 = H, 5-OMe, 5-Me, 5-Cl, 5-Br, 6,7-benzo, R2 = R3) were prepared from the resp. indolecarbonylaminothioureas I (R2 = NHCSNHPh) which in turn were obtained from the resp. indolecarbohydrazides I (R2 = NH2). I (R2 = NHCSNHPh) gave phenyliminothiazolidinones I (R2 = R4) when treated with ClCH2CO2H and AcONa

in the presence of AcOH. The hydrazones I (R = Ph, R1 = H, 5-OMe, 5-Me, 5-Cl, 5-Br, 6,7-benzo, R2 = N:CHPh; R = Me, R1 = 5-Me, 5-OMe, 5-Cl, 5-Br, R2 = N:CHPh), obtained from I (R2 = NH2) and PhCHO, gave phenylthiazolidinones I (R2 = R5 ) when reacted with HSCH2CO2H in dry C6H6. I (R = Ph, R1 = H, 5-OMe, 5-Me, 5-Cl; 5-Br, 6,7-benzo, R2 = NH2) also reacted with ClCO2Et to give I (R2 = NHCO2Et), which on cyclodehydration with POCl3 in dry C6H6 afforded triazine indole II (same R, R1) in moderate yield. The structures of all compds. were established on the basis of their spectral data and elemental analyses.

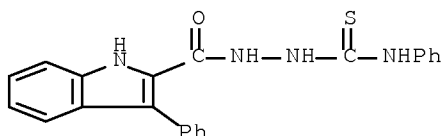
IT 121649-90-9P 121649-91-0P 121649-92-1P  
121649-93-2P 121674-03-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and cyclocondensation of, with malonic acid)

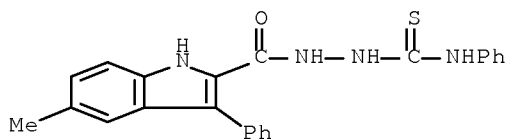
RN 121649-90-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3-phenyl-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



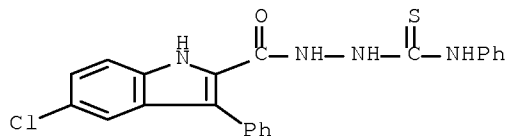
RN 121649-91-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methyl-3-phenyl-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



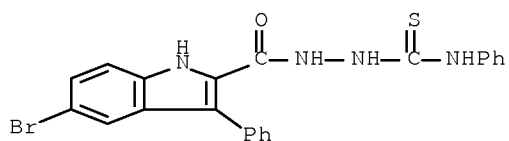
RN 121649-92-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



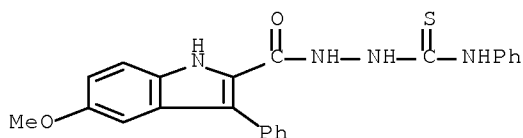
RN 121649-93-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



RN 121674-03-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-phenyl-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



IT 121650-07-5P 121650-08-6P 121650-09-7P

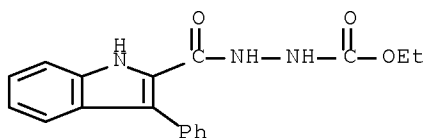
121650-10-0P 121650-11-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)

(preparation and intramol. cyclocondensation of)

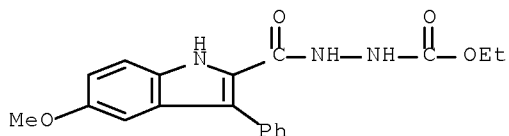
RN 121650-07-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3-phenyl-, 2-(ethoxycarbonyl)hydrazide (CA  
INDEX NAME)



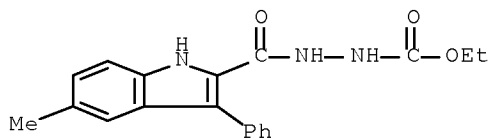
RN 121650-08-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-phenyl-,  
2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



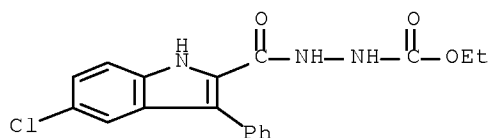
RN 121650-09-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methyl-3-phenyl-,  
2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



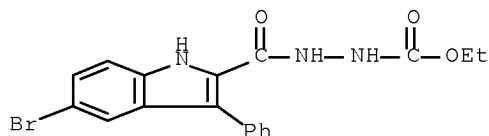
RN 121650-10-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-,  
2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



RN 121650-11-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-,  
2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



OSC.G 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)

L5 ANSWER 32 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1989:231529 CAPLUS Full-text

DN 110:231529

OREF 110:38383a,38386a

TI Synthesis and study of new indolyl-containing 1,3,4-oxadiazoles

AU Dzhabaridze, Z. Sh.; Basiladze, M. N.; Laliashvili, M. G.; Samsoniya, Sh. A.

CS NII Stabil'n. Izotopov, USSR

SO Soobshcheniya Akademii Nauk Gruzinskoi SSR (1988), 130(3), 565-8

CODEN: SAKNAH; ISSN: 0002-3167

DT Journal

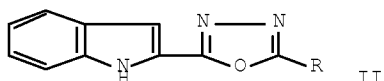
LA Russian

OS CASREACT 110:231529

GI



I



II

AB Acylation of indole-2-acetic acid hydrazide by  $\text{RCOCl}$  ( $\text{R} = \text{Me}, \text{Ph}, \text{o-HO}_2\text{CC}_6\text{H}_4, \text{ClCH}_2\text{CH}_2, \text{o-O}_2\text{NC}_6\text{H}_4$ ) in  $\text{AcNMe}_2$  3 h at  $5-15^\circ$  gave 73-87% indoles I which were cyclodehydrated by  $\text{POCl}_3$  1 h at  $60-80^\circ$  to give 54-69% oxadiazoles II.

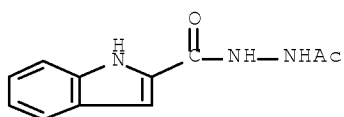
IT 37574-75-7F 37574-79-1F 120808-56-2P  
120808-57-3P 120808-85-7F

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and cyclodehydration of, indolyloxadiazole from)

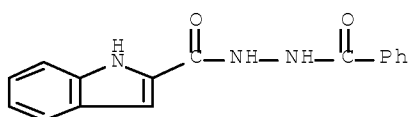
RN 37574-75-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-acetylhydrazide (CA INDEX NAME)



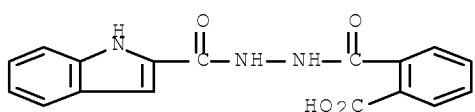
RN 37574-79-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-benzoylhydrazide (CA INDEX NAME)



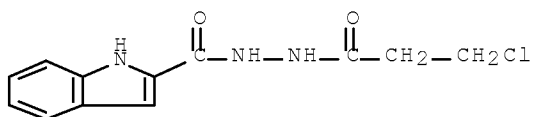
RN 120808-56-2 CAPLUS

CN 1,2-Benzenedicarboxylic acid, 1-[2-(1H-indol-2-ylcarbonyl)hydrazide] (CA INDEX NAME)



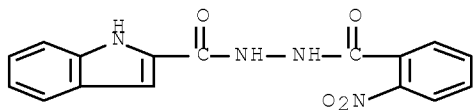
RN 120808-57-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(3-chloro-1-oxopropyl)hydrazide (CA INDEX NAME)



RN 120808-85-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(2-nitrobenzoyl)hydrazide (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L5 ANSWER 33 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1989:8164 CAPLUS Full-text

DN 110:8164

OREF 110:1499a,1502a

TI Synthesis of indolylpyrimidinediones and indolylthiazolidinones

AU Hiremath, Shivayogi P.; Sekhar, K. Raja; Purohit, Muralidhar G.

CS Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India

SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1988), 27B(7), 678-80

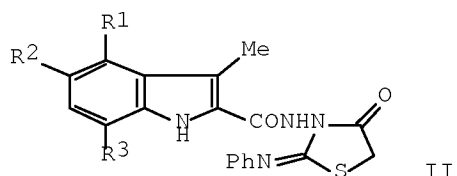
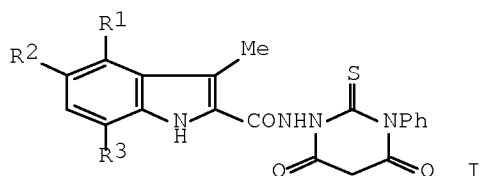
CODEN: IJSBDB; ISSN: 0376-4699

DT Journal

LA English

OS CASREACT 110:8164

GI



AB (Indolecarboxamido)hexahydropyrimidinedionethiones I (R1 = H, Me; R2 = OEt, Me, Br, Cl, OMe, H; R3 = H, Me) and (indolecarboxamido)thiazolidinones II were prepared; some I and II showed bactericidal activity.

(Indolecarbonyl)thiosemicarbazides were treated with CH<sub>2</sub>(CO<sub>2</sub>H)<sub>2</sub> and ClCH<sub>2</sub>CO<sub>2</sub>H to give I and II, resp.

IT 117844-51-6F 117844-52-7F 117844-53-8F

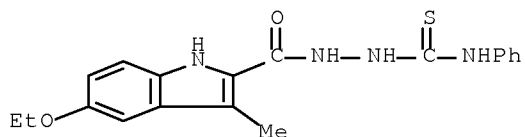
117844-54-9F 117844-55-0F 117844-56-1F

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and cyclocondensation reaction of, with malonic acid and chloroacetic acid)

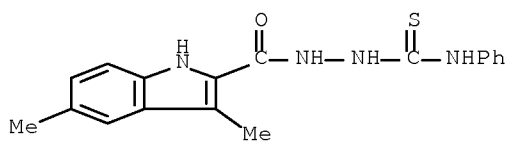
RN 117844-51-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-ethoxy-3-methyl-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



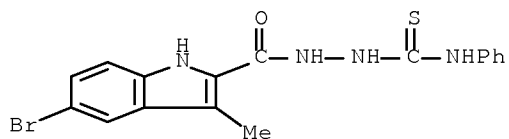
RN 117844-52-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3,5-dimethyl-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



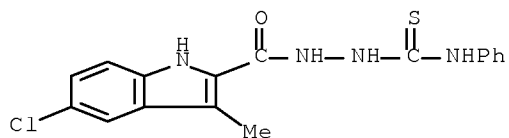
RN 117844-53-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



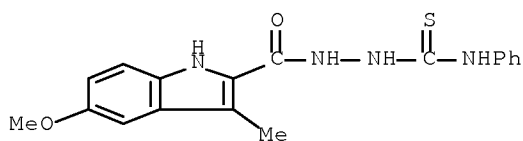
RN 117844-54-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)

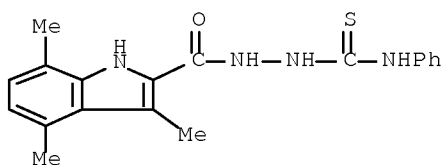


RN 117844-55-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)

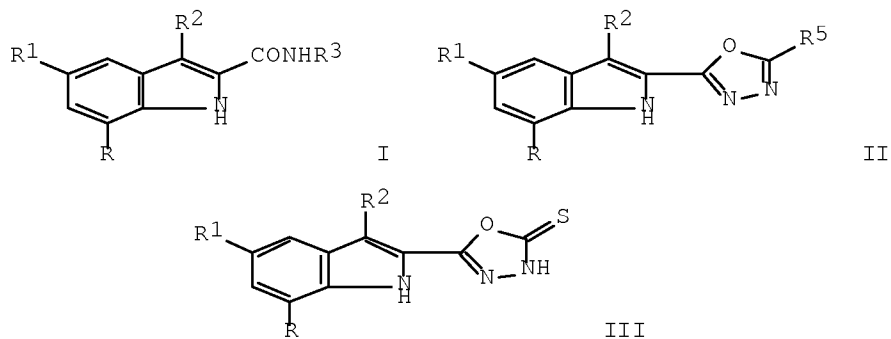


RN 117844-56-1 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 3,4,7-trimethyl-,  
 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L5 ANSWER 34 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 1987:554287 CAPLUS Full-text  
 DN 107:154287  
 OREF 107:24829a,24832a  
 TI Synthesis of substituted 2-(1',3',4'-oxadiazol-2'-yl)indoles  
 AU Sinnur, K. H.; Siddappa, S.; Hiremath, Shivayogi R.; Purohit, Muralidhar G.  
 CS Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India  
 SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1986), 25B(7), 716-20  
 CODEN: IJSBDB; ISSN: 0376-4699  
 DT Journal  
 LA English  
 OS CASREACT 107:154287  
 GI



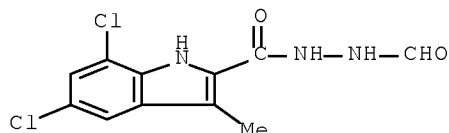
10/591,895

AB The indole derivs. I (R = H, Cl, Br; R1 = Me, Cl, PhCH2O; R2 = H, Me; R3 = N:CHR4; R4 = Et, Ph, 4-MeOC6H4), II (R5 = H, R4) and III were prepared from I (R3 = NH2) and tested for their antibacterial activity.

IT 110448-42-5P 110448-43-6P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and cyclization of)

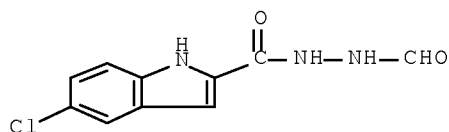
RN 110448-42-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5,7-dichloro-3-methyl-, 2-formylhydrazide  
(CA INDEX NAME)



RN 110448-43-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-formylhydrazide (CA INDEX NAME)



OSC.G 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)

L5 ANSWER 35 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1985:131867 CAPLUS Full-text

DN 102:131867

OREF 102:20691a,20694a

TI Synthesis of N-acyl-N'-(2-indolylcarbonyl) hydrazides and their physiological activity

AU Zhang, Mingzhe; He, Meiyu

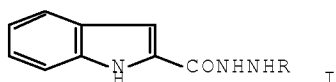
CS Dep. Chem., Peking Univ., Beijing, Peop. Rep. China

SO Yaoxue Xuebao (1984), 19(10), 737-41  
CODEN: YHHPAL; ISSN: 0513-4870

DT Journal

LA Chinese

GI

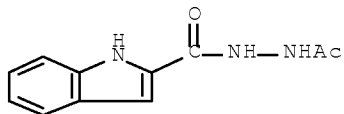


AB Title compds. (I, R = COR1) were prepared by acylation of I (R = H) with R1COCl. I (R = CHO, Ac) and 2-(2-ethyl-1,3,4-oxadiazol-5-yl)-1H-indole inhibited the growth of Mycobacterium tuberculosis.

IT 37574-75-7P 64932-49-6P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation and antitubercular activity of)

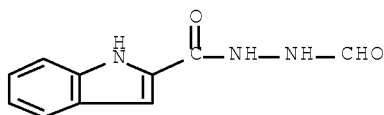
RN 37574-75-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-acetylhydrazide (CA INDEX NAME)



RN 64932-49-6 CAPLUS

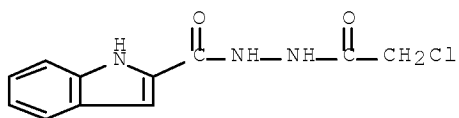
CN 1H-Indole-2-carboxylic acid, 2-formylhydrazide (CA INDEX NAME)



IT 37574-76-8P 95446-26-7P 95446-27-8P  
 95446-28-9P 95446-29-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

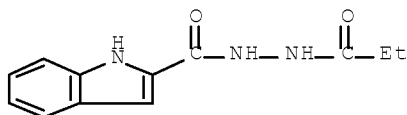
RN 37574-76-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(2-chloroacetyl)hydrazide (CA INDEX NAME)



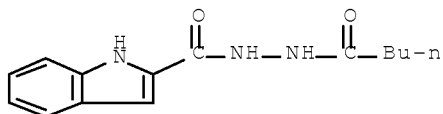
RN 95446-26-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(1-oxopropyl)hydrazide (CA INDEX NAME)



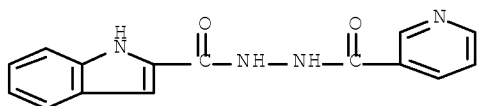
RN 95446-27-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(1-oxopentyl)hydrazide (CA INDEX NAME)



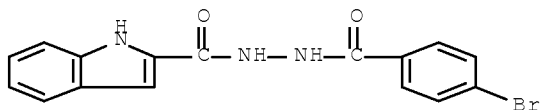
RN 95446-28-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(3-pyridinylcarbonyl)hydrazide (CA INDEX NAME)



RN 95446-29-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(4-bromobenzoyl)hydrazide (CA INDEX NAME)



L5 ANSWER 36 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1984:630417 CAPLUS [Full-text](#)

DN 101:230417

OREF 101:34989a,34992a

TI Preparation of some indolyl-1,3,4-oxadiazoles and related compounds

AU Monge Vega, A.; Rabbani, M. M.; Fernandez-Alvarez, E.

CS Fac. Farm., Univ. Navarra, Pamplona, Spain

SO Boletin de la Sociedad Quimica del Peru (1983), 49(2), 120-30

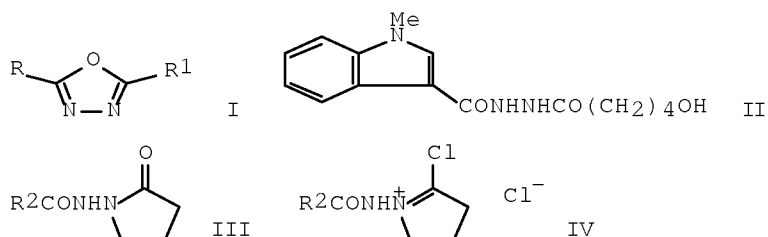
CODEN: BSQPAQ; ISSN: 0037-8623

DT Journal

LA Spanish

OS CASREACT 101:230417

GI

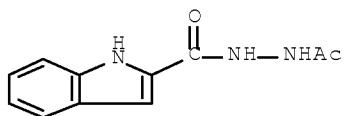


AB RCONHNHCOR1 (R = 2- or 3-indolyl or N-methylindolyl, R1 = H, Me) were prepared by acylation of RCONHNH2 with RCONMe2 and cyclized to oxadiazole derivs. I using POCl3. II was cleaved by POCl3 to give the hydrazide and  $\gamma$ -valerolactone. Attempted cyclization of III (R2 = 3-indolyl) with POCl3 gave IV.

IT 37574-75-7P 64932-49-6P 93397-85-4P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and cyclization of)

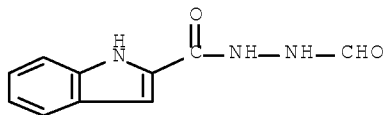
RN 37574-75-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-acetylhydrazide (CA INDEX NAME)



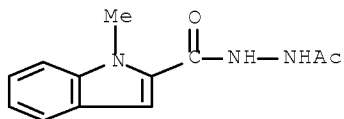
RN 64932-49-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-formylhydrazide (CA INDEX NAME)



RN 93397-85-4 CAPLUS

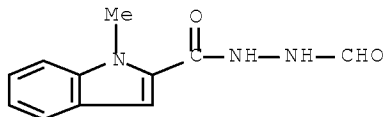
CN 1H-Indole-2-carboxylic acid, 1-methyl-, 2-acetylhydrazide (CA INDEX NAME)



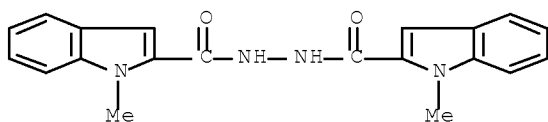
IT 93397-82-1P 93397-86-5P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

RN 93397-82-1 CAPLUS

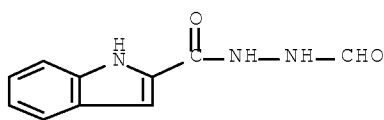
CN 1H-Indole-2-carboxylic acid, 1-methyl-, 2-formylhydrazide (CA INDEX NAME)



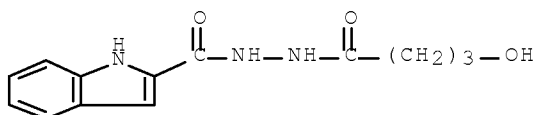
RN 93397-86-5 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 1-methyl-,  
 2-[(1-methyl-1H-indol-2-yl)carbonyl]hydrazide (CA INDEX NAME)



L5 ANSWER 37 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 1984:630416 CAPLUS Full-text  
 DN 101:230416  
 OREF 101:34989a,34992a  
 TI Reactions of indolecarbohydrazides with lactones  
 AU Monge Vega, A.; Rabbani, M. M.; Fernandez-Alvarez, E.  
 CS Fac. Farm., Univ. Navarra, Pamplona, Spain  
 SO Boletin de la Sociedad Quimica del Peru (1983), 49(2), 110-19  
 CODEN: BSQPAQ; ISSN: 0037-8623  
 DT Journal  
 LA Spanish  
 OS CASREACT 101:230416  
 GI For diagram(s), see printed CA Issue.  
 AB Reactions of 2- or 3-indolecarbohydrazide and their 1-Me derivs. with  $\gamma$ -butyrolactone and  $\gamma$ - or  $\delta$ -valerolactone were studied in the absence or presence of solvents (Ph<sub>2</sub>O, DMF, dioxane). Products RCONHNHCO(CH<sub>2</sub>)<sub>n</sub>OH (R = indolyl residue, n = 3 or 4), RCONHNHCOR, I, and oxadiazoles II were identified. BzNHNH<sub>2</sub> reacted with lactones to give (BzNH)<sub>2</sub>.  
 IT 64932-49-6P 93397-75-2P 93397-79-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 64932-49-6 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 2-formylhydrazide (CA INDEX NAME)

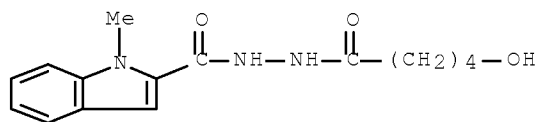


RN 93397-75-2 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 2-(4-hydroxy-1-oxobutyl)hydrazide (CA INDEX NAME)

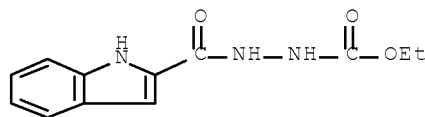


RN 93397-79-6 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 1-methyl-, 2-(5-hydroxy-1-oxopentyl)hydrazide

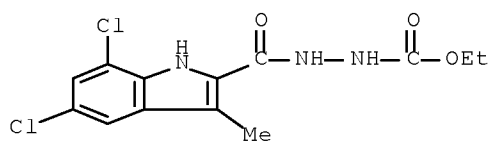
(CA INDEX NAME)



L5 ANSWER 38 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 1983:594890 CAPLUS Full-text  
 DN 99:194890  
 OREF 99:30003a,30006a  
 TI Synthesis of substituted 2-(5'-oxo/thioxo-1',3',4'-oxadiazol-2'-yl)indoles and 2-(5'-oxo/thioxo-1,3,4'-oxadiazol-2'-ylamino)indoles  
 AU Hiremath, Shivayogi P.; Hiremath, Dakshayani M.; Purohit, Muralidhar G.  
 CS Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India  
 SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1983), 22B(6), 571-6  
 CODEN: IJSBDB; ISSN: 0376-4699  
 DT Journal  
 LA English  
 AB Indole-2-carboxylates and indole-2-carbamates react with N<sub>2</sub>H<sub>4</sub>-EtOH to give the corresponding hydrazides and semicarbazides. These compds. when heated under reflux with CS<sub>2</sub> and KOH give 2-(5-thioxo-1,3,4-oxodiazol-2-yl)indoles and 2-(5-thioxo-1,3,4-oxodiazol-2-ylamino)indoles resp. They also undergo condensation with ClCO<sub>2</sub>Et to give ethoxy carbonylhydrazines which on heating under reflux with Ph<sub>2</sub>O give the corresponding 2-(5-oxo-1,3,4-oxodiazol-2-yl)indoles and 2-(5-oxo-1,3,4-oxadiazol-2-ylamino)indoles. Et 2-phenylindole-3-carbamate, obtained from 3-aminoindole has been condensed with N<sub>2</sub>H<sub>4</sub> to give the semicarbazide which on reaction with ClCO<sub>2</sub>Et and heating under reflux with Ph<sub>2</sub>O produces 3-(5-oxo-1,3,4-oxadiazol-2-ylamino)indole.  
 IT 37574-85-9P 87811-53-8P 87811-54-9P  
 87811-55-0P 87811-56-1P 87811-57-2P  
 87811-58-3P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and cyclization of)  
 RN 37574-85-9 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)

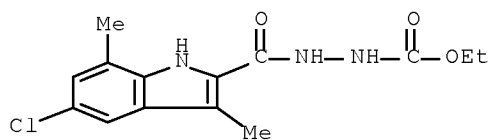


RN 87811-53-8 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 5,7-dichloro-3-methyl-,  
 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



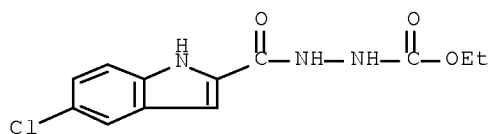
RN 87811-54-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3,7-dimethyl-,  
2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



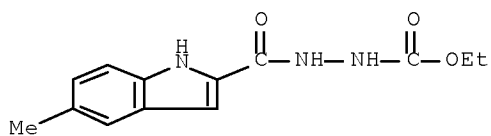
RN 87811-55-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(ethoxycarbonyl)hydrazide (CA  
INDEX NAME)



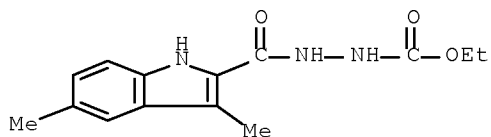
RN 87811-56-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methyl-, 2-(ethoxycarbonyl)hydrazide (CA  
INDEX NAME)

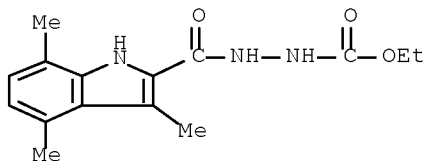


RN 87811-57-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3,5-dimethyl-, 2-(ethoxycarbonyl)hydrazide  
(CA INDEX NAME)

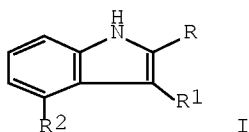


RN 87811-58-3 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 3,4,7-trimethyl-, 2-(ethoxycarbonyl)hydrazide  
 (CA INDEX NAME)

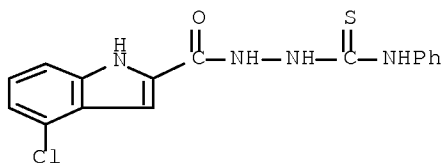


OSC.G 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)

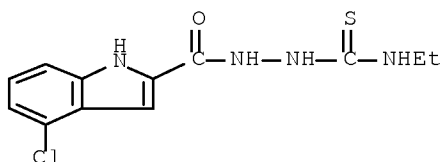
L5 ANSWER 39 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 1983:143225 CAPLUS Full-text  
 DN 98:143225  
 OREF 98:21813a,21816a  
 TI New indolyl MAO inhibitors. Part 2  
 AU Sathi, Garima; Gujrati, V. R.; Nath, C.; Bhargava, K. P.; Shanker, K.  
 CS Dep. Pharmacol. Ther., King George's Med. Coll., Lucknow, India  
 SO Pharmazie (1982), 37(12), 868-9  
 CODEN: PHARAT; ISSN: 0031-7144  
 DT Journal  
 LA English  
 GI



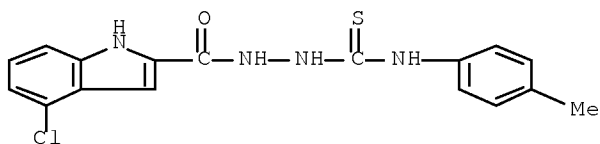
AB Indoles I [R = Me, R1 = CH2CH2NHNHCSNHR3, R2 = H, R3 = 4-FC6H4, 4-ClC6H4, Et; R = CH2NHNHCSNHR3, R1 = H, R2 = Cl, R3 = Ph, 2-MeC6H4 (II), 4-MeC6H4, Et] were prepared by treating the hydrazides with R3NCS and reduction with LiAlH4. II gave 78.12% inhibition of MAO at 1 + 10-4 mol/L in vitro and had 32.6% reserpine antagonist activity at 100 mg/kg i.p. in mice.  
 IT 72548-94-8 72548-97-1 85196-24-3  
 85207-85-8  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reduction of)  
 RN 72548-94-8 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 4-chloro-,  
 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



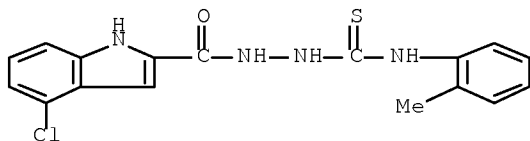
RN 72548-97-1 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 4-chloro-,  
 2-[(ethylamino)thioxomethyl]hydrazide (CA INDEX NAME)



RN 85196-24-3 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 4-chloro-,  
 2-[[ (4-methylphenyl) amino]thioxomethyl]hydrazide (CA INDEX NAME)

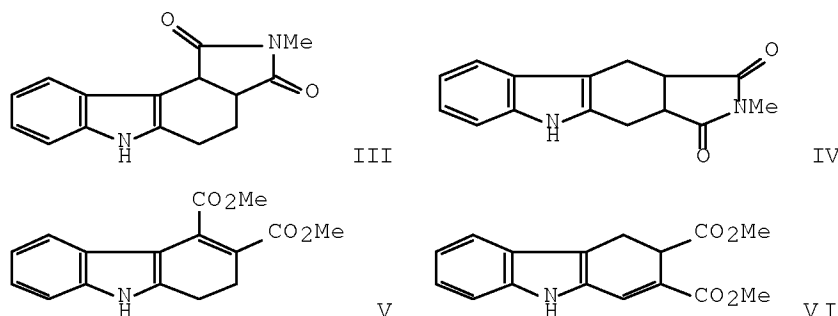


RN 85207-85-8 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 4-chloro-,  
 2-[[ (2-methylphenyl) amino]thioxomethyl]hydrazide (CA INDEX NAME)



L5 ANSWER 40 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 1982:199467 CAPLUS Full-text  
 DN 96:199467  
 OREF 96:32890h,32891a  
 TI The regioselectivity of the formation of dihydro- and tetrahydrocarbazoles  
 by the Fischer indole synthesis  
 AU Reed, G. W. Bryan; Cheng, Peter T. W.; McLean, Stewart  
 CS Dep. Chem., Univ. Toronto, Toronto, ON, M5S 1A1, Can.

SO Canadian Journal of Chemistry (1982), 60(4), 419-24  
 CODEN: CJCHAG; ISSN: 0008-4042  
 DT Journal  
 LA English  
 OS CASREACT 96:199467  
 GI



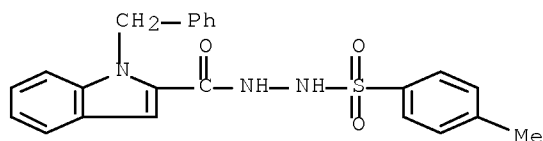
AB N-Methyl-4-oxohexahydrophthalimide (I) and di-Me 1,4,5,6-tetrahydro-4-oxophthalate (II) were prepared, converted to their phenylhydrazones, and underwent the Fischer indole synthesis under conditions ranging from 7% to 60% H<sub>2</sub>SO<sub>4</sub>-MeOH. The tetrahydrocarbazoles III and IV were isolated in a 2:1 ratio from I and no significant variation in the ratio was observed through the range of conditions used. The dihydrocarbazoles V and VI were isolated from II in a 1:1 ratio when 7% or 15% H<sub>2</sub>SO<sub>4</sub> was used; when more concentrated acid was used, normal Fischer products were not obtained but some transformation products were isolated from the complex mixture of products. The observed regioselectivity of these reactions is not predicted from mechanistic considerations, and no mechanistic explanation for the results is apparent. As part of the proof of structure of III and V, their N-benzyl derivs. were prepared from 1-benzyl-2-vinylindole by Diels-Alder reactions.

IT 81787-93-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and hydrolysis of)

RN 81787-93-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 1-(phenylmethyl)-,  
 2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



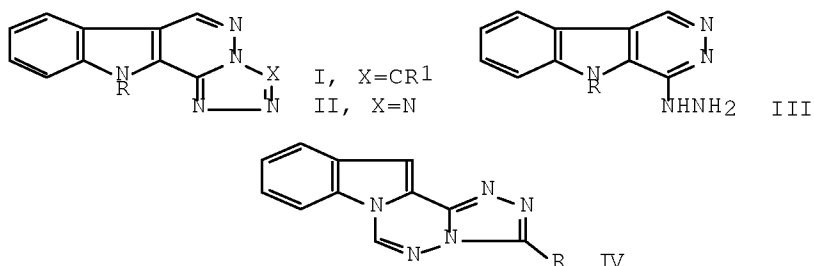
OSC.G 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

L5 ANSWER 41 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1980:471713 CAPLUS Full-text

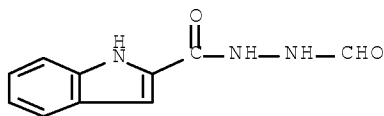
DN 93:71713

OREF 93:11665a,11668a  
 TI The synthesis of 11H-1,2,4-triazolo[4,3-b]pyridazino[4,5-b]indoles,  
 11H-tetrazolo[4,5-b]pyridazino[4,5-b]indoles and  
 1,2,4-triazolo[3,4-f]-1,2,4-triazino[4,5-a]indoles  
 AU Monge Vega, A.; Aldana, I.; Rabbani, M. M.; Fernandez-Alvarez, E.  
 CS Fac. Farm., Univ. Navarra, Pamplona, Spain  
 SO Journal of Heterocyclic Chemistry (1980), 17(1), 77-80  
 CODEN: JHTCAD; ISSN: 0022-152X  
 DT Journal  
 LA English  
 OS CASREACT 93:71713  
 GI



AB The novel compds I (R = H, Me; R<sup>1</sup> = H, Me, Ph) and (II (R = H or Me) were prepared from III, and IV (R = H, Me or Ph) were prepd. from 2-indolecarbohydrazide (V). I were obtained by acylation of III, followed by thermal cyclization and II by treating III with nitrous acid. The reactions of V with HCO<sub>2</sub>H or HC(OEt)<sub>3</sub> gave 1,2-dihydro-1-oxo-1,2,4-triazino[4,5-a]indole. Treating this last compound with POCl<sub>3</sub> or P<sub>2</sub>S<sub>5</sub>, followed by hydrazine, gave 1-hydrazino-1,2,4-triazino[4,5-a]indole. Acylation of this last compound followed of cyclization gave IV. All the compds. were characterized by elemental anal. and IR and <sup>1</sup>H-NMR spectra.

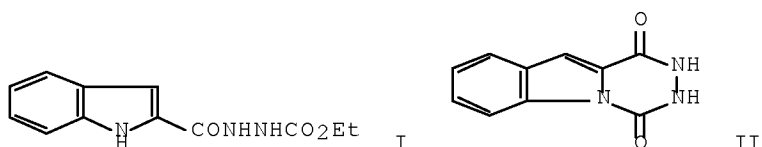
IT 64932-49-6P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and intermol. cyclocondensation of)  
 RN 64932-49-6 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 2-formylhydrazide (CA INDEX NAME)



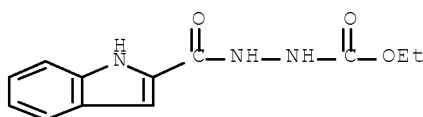
OSC.G 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)

L5 ANSWER 42 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 1980:76458 CAPLUS Full-text  
 DN 92:76458  
 OREF 92:12599a,12602a  
 TI 1,2,4-Triazino[4,5-a]indoles. V. Study of  
 1,4-dioxo-1,2,3,4-tetrahydro-1,2,4-triazino[4,5-a]indole

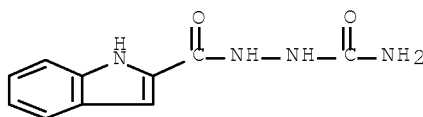
AU Maume, Daniel; Lancelot, Jean Charles; Robba, Max  
 CS Lab. Pharm. Chim., Univ. Caen, Caen, 14032, Fr.  
 SO Journal of Heterocyclic Chemistry (1979), 16(6), 1217-22  
 CODEN: JHTCAD; ISSN: 0022-152X  
 DT Journal  
 LA French  
 GI



AB Cyclizing 2-indolecarbohydrazide I by refluxing in KOH-EtOH gave title compound II; II was also prepared by rearranging 2-(5-oxo-4,5-dihydro-1,3,4-oxadiazol-2-yl)indole in refluxing PrOH-PrONa. II was O- and N-methylated by both Me2SO4 and CH2N2.  
 IT 37574-85-9  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (intramol. cyclocondensation of)  
 RN 37574-85-9 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



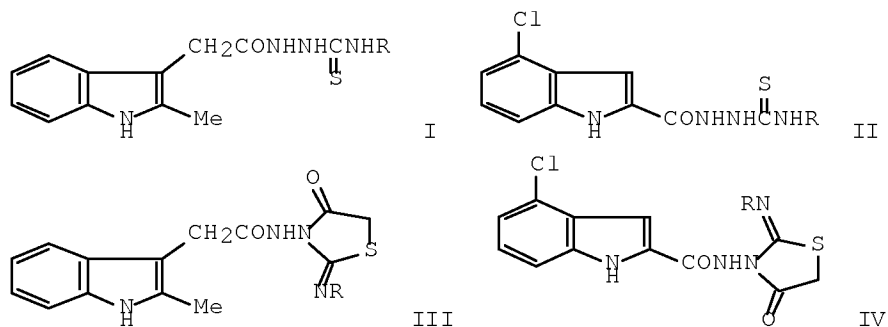
IT 37574-84-8P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 37574-84-8 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 2-(aminocarbonyl)hydrazide (CA INDEX NAME)



OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

L5 ANSWER 43 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 1980:51728 CAPLUS Full-text  
 DN 92:51728  
 OREF 92:8435a,8438a  
 TI Newer indole derivatives as monoamine oxidase inhibitors

AU Sathi, Garima; Gujrati, Vibha; Sharma, M.; Nath, C.; Gupta, T. K.;  
 Bhargava, K. P.; Shanker, K.  
 CS Dep. Pharmacol. Ther., King George's Med. Coll., Lucknow, 3, India  
 SO Current Science (1979), 48(21), 932-4  
 CODEN: CUSCAM; ISSN: 0011-3891  
 DT Journal  
 LA English  
 OS CASREACT 92:51728  
 GI



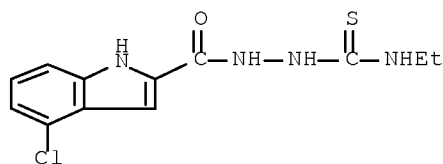
AB Seventeen indolyl thiosemicarbazides I and II and indolyl thiazolidones III and IV (R = Et, Ph, and substituted Ph were synthesized and tested as monoamine oxidase [9001-66-5] inhibitors. The 5 most potent inhibitors were tested further for anticonvulsant and analgesic activities, toxicity, and potentiation of L-dopa effects. None of the compds. had anticonvulsant or analgesic activity. Structure-activity relations are discussed in terms of monoamine oxidase inhibition.

IT 72548-97-1P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and monoamine oxidase inhibition by)

RN 72548-97-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 4-chloro-,  
 2-[(ethylamino)thioxomethyl]hydrazide (CA INDEX NAME)



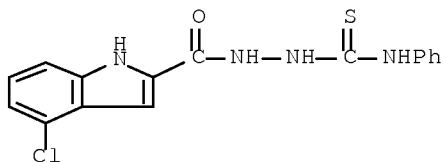
IT 72548-94-8P 72548-95-9P 72548-96-0P

RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)  
 (preparation and pharmacol. of)

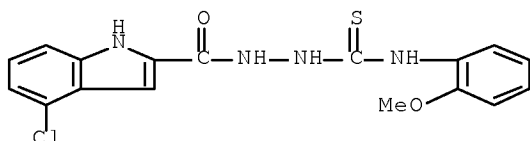
RN 72548-94-8 CAPLUS

10/591,895

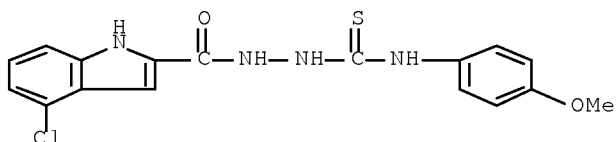
CN 1H-Indole-2-carboxylic acid, 4-chloro-,  
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



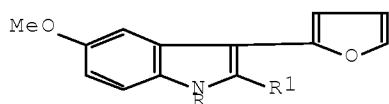
RN 72548-95-9 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 4-chloro-,  
2-[[ (2-methoxyphenyl) amino]thioxomethyl]hydrazide (CA INDEX NAME)



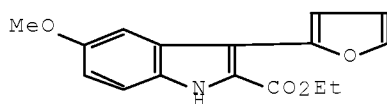
RN 72548-96-0 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 4-chloro-,  
2-[[ (4-methoxyphenyl) amino]thioxomethyl]hydrazide (CA INDEX NAME)



L5 ANSWER 44 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
AN 1980:6356 CAPLUS Full-text  
DN 92:6356  
OREF 92:1195a,1198a  
TI Indole derivatives. LX. Synthesis of indole compounds with a furan ring  
AU Gabrielyan, G. E.; Papayan, G. L.  
CS Inst. Tonk. Org. Khim. im. Mndzhoyana, Yerevan, USSR  
SO Armyanskii Khimicheskii Zhurnal (1979), 32(4), 309-14  
CODEN: AYKZAN; ISSN: 0515-9628  
DT Journal  
LA Russian  
OS CASREACT 92:6356  
GI



I



II

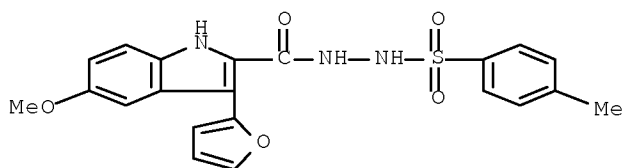
AB Twenty-one furylindoles I [R = benzyl, H, CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>NH<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>H, 2-[2-(3-indolyl)ethyl]amino]ethyl, CH<sub>2</sub>CH<sub>2</sub>CN, COCH<sub>2</sub>NEt<sub>2</sub>, COCH<sub>2</sub>Cl, CH<sub>2</sub>CO<sub>2</sub>H; R<sub>1</sub> = CO<sub>2</sub>Et, CH<sub>2</sub>OH, CO<sub>2</sub>H, CH<sub>2</sub>OAc, CHO, CONHNHSO<sub>2</sub>C<sub>6</sub>H<sub>4</sub>Me-p, etc.] were prepared in 33.2-81.9% yield by standard methods. Thus alkylation of II with ClCH<sub>2</sub>CO<sub>2</sub>H gave 33.2% I (R = CH<sub>2</sub>CO<sub>2</sub>H, R<sub>1</sub> = CO<sub>2</sub>Et).

IT 72193-86-3F 72193-87-4F

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

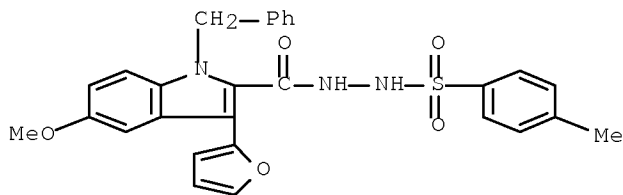
RN 72193-86-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3-(2-furanyl)-5-methoxy-,  
2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



RN 72193-87-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3-(2-furanyl)-5-methoxy-1-(phenylmethyl)-,  
2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L5 ANSWER 45 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1978:105274 CAPLUS [Full-text](#)

DN 88:105274

OREF 88:16517a,16520a

TI as-Triazino[4,5-a]indoles. II. Study of as-triazinoindolones

AU Robba, M.; Maume, D.; Lancelot, J. C.

CS Lab. Pharm. Chim., UER Sci. Pharm., Caen, Fr.

SO Journal of Heterocyclic Chemistry (1977), 14(8), 1365-8

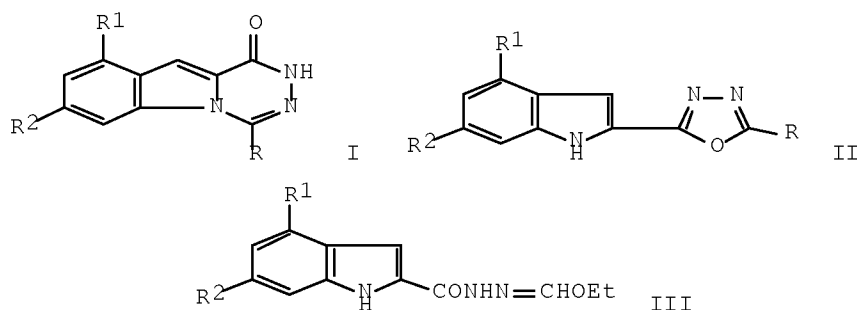
CODEN: JHTCAD; ISSN: 0022-152X

DT Journal

LA French

OS CASREACT 88:105274

GI



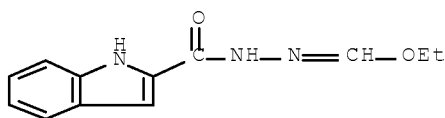
AB     Triazinoindolones I (R = H, Me, CH<sub>2</sub>OMe, CH<sub>2</sub>OPr; R<sub>1</sub> = H, Cl, Br; R<sub>2</sub> = H, Br) were prepared by rearranging oxadiazolylindoles II with KOH or cyclizing III. 3,4-Dihydro-4-oxo-as-triazino[4,5-a]indole were similarly obtained by cyclizing 2-formylindole N-ethoxycarbonylhydrazone.

IT     64932-64-5

RL: RCT (Reactant); RACT (Reactant or reagent)  
(cyclization of)

RN     64932-64-5   CAPLUS

CN     1H-Indole-2-carboxylic acid, 2-(ethoxymethylene)hydrazide   (CA INDEX NAME)

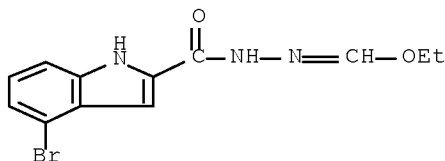


IT     65873-39-4P     65873-40-7P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

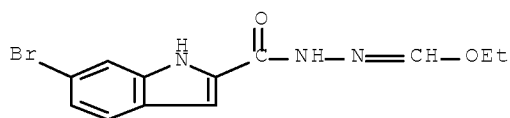
RN     65873-39-4   CAPLUS

CN     1H-Indole-2-carboxylic acid, 4-bromo-, 2-(ethoxymethylene)hydrazide   (CA INDEX NAME)

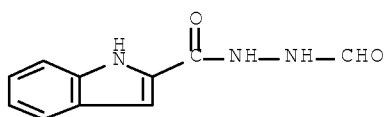


RN     65873-40-7   CAPLUS

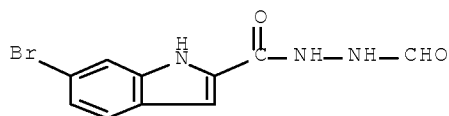
CN     1H-Indole-2-carboxylic acid, 6-bromo-, 2-(ethoxymethylene)hydrazide   (CA INDEX NAME)



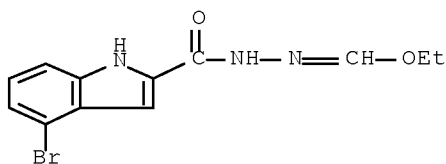
IT 64932-49-6 64932-53-2  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with orthoformate)  
 RN 64932-49-6 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 2-formylhydrazide (CA INDEX NAME)



RN 64932-53-2 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 6-bromo-, 2-formylhydrazide (CA INDEX NAME)



IT 65873-39-4  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (rearrangement of)  
 RN 65873-39-4 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 4-bromo-, 2-(ethoxymethylene)hydrazide (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L5 ANSWER 46 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 1978:22764 CAPLUS Full-text  
 DN 88:22764  
 OREF 88:3653a,3656a  
 TI as-Triazino[4,5-a]indoles. I. Indole derivatives  
 AU Robba, M.; Maume, D.; Lancelot, J. C.  
 CS Lab. Pharm. Chim., UER Sci. Pharm., Caen, Fr.  
 SO Bulletin de la Societe Chimique de France (1977), (3-4, Pt. 2),

333-6

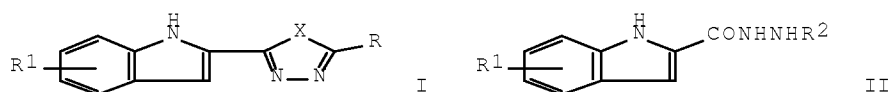
CODEN: BSCFAS; ISSN: 0037-8968

DT Journal

LA French

OS CASREACT 88:22764

GI



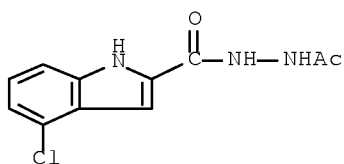
AB Oxadiazolyllindoles I (X = O; R = H, Me, CH<sub>2</sub>Cl, CHCl<sub>2</sub>, CCl<sub>3</sub>, Ph, R<sub>1</sub> = H; R = H, Me, R<sub>1</sub> = 4-Cl; R = H, R<sub>1</sub> = 4-Br, 6-Br) were obtained by acylating indoles II (R<sub>2</sub> = H) and cyclizing resultant II (R<sub>2</sub> = COR) with POCl<sub>3</sub>. I (R = H, Me, R<sub>1</sub> = H, X = S) were similarly obtained with P<sub>2</sub>S<sub>5</sub>.

IT 64932-63-4

RL: RCT (Reactant); RACT (Reactant or reagent)  
(cyclization of)

RN 64932-63-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 4-chloro-, 2-acetylhydrazide (CA INDEX NAME)



IT 37574-75-7P 37574-76-8P 37574-77-9P

37574-78-0P 37574-79-1P 37574-85-9P

64932-49-6P 64932-51-0P 64932-52-1P

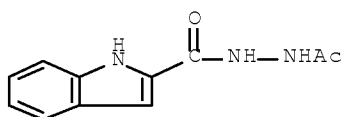
64932-53-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)

(preparation and cyclization of)

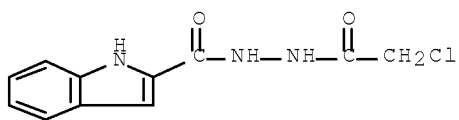
RN 37574-75-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-acetylhydrazide (CA INDEX NAME)



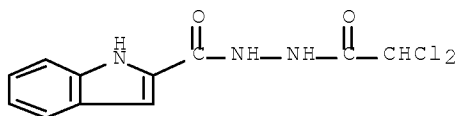
RN 37574-76-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(2-chloroacetyl)hydrazide (CA INDEX NAME)



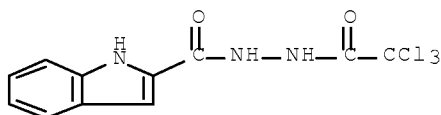
RN 37574-77-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(2,2-dichloroacetyl)hydrazide (CA INDEX NAME)



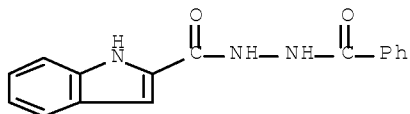
RN 37574-78-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(2,2,2-trichloroacetyl)hydrazide (CA INDEX NAME)



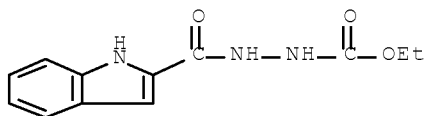
RN 37574-79-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-benzoylhydrazide (CA INDEX NAME)



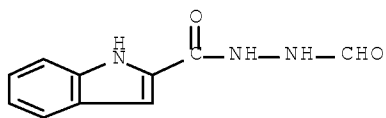
RN 37574-85-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



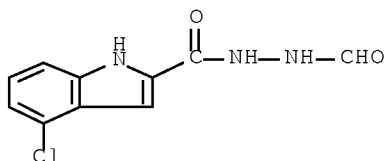
RN 64932-49-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-formylhydrazide (CA INDEX NAME)



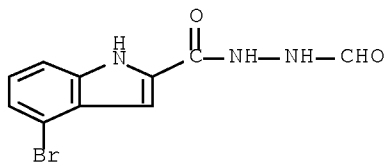
RN 64932-51-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 4-chloro-, 2-formylhydrazide (CA INDEX NAME)



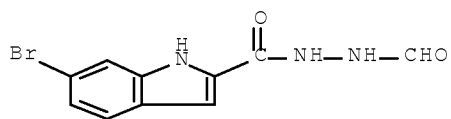
RN 64932-52-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 4-bromo-, 2-formylhydrazide (CA INDEX NAME)



RN 64932-53-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 6-bromo-, 2-formylhydrazide (CA INDEX NAME)

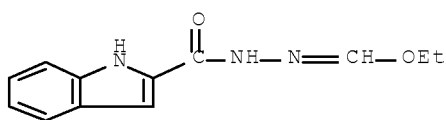


IT 64932-64-5P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

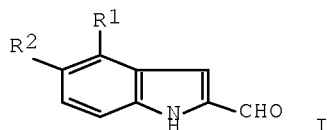
RN 64932-64-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(ethoxymethylene)hydrazide (CA INDEX NAME)

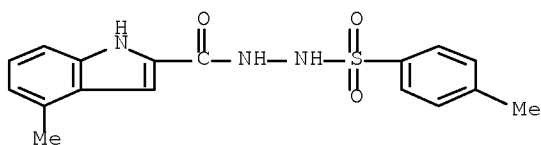


L5 ANSWER 47 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 1976:105389 CAPLUS Full-text  
 DN 84:105389  
 OREF 84:17159a,17162a  
 TI Blood sugar-lowering indole-2-carboxaldehydes  
 IN Huebner, Manfred; Heerdt, Ruth; Schmidt, Felix Helmut; Thiel, Max  
 PA Boehringer Mannheim G.m.b.H., Fed. Rep. Ger.  
 SO Ger. Offen., 12 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2426439	A1	19751211	DE 1974-2426439	19740531 <--
	US 4053624	A	19771011	US 1975-573214	19750430 <--
	GB 1447474	A	19760825	GB 1975-22732	19750523 <--
	CH 612423	A5	19790731	CH 1975-6851	19750528 <--
	FR 2272663	A1	19751226	FR 1975-16784	19750529 <--
	FR 2272663	B1	19790323		
	JP 51004167	A	19760114	JP 1975-65236	19750530 <--
	AT 7504122	A	19770615	AT 1975-4122	19750530 <--
	AT 341516	B	19780210		
	AT 7701030	A	19790215	AT 1977-1030	19770216 <--
	AT 352112	B	19790910		
	CH 615421	A5	19800131	CH 1979-1930	19790227 <--
PRAI	DE 1974-2426439	A	19740531		
	CH 1975-6851	A	19750528		
	AT 1975-4122	A	19770216		
GI					

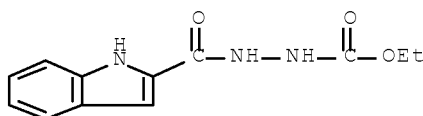


AB Indolecarboxaldehydes (I, R1 = Me, R2 = H, MeO, Me, Cl, EtO; R1 H, R2 = Et, Br), useful as antidiabetics (no data), were obtained by oxidation of the corresponding hydroxymethyl derivative with MnO2-CH2Cl2 30 hr at room temperature or CrO3-pyridine 2 hr at room temperature  
 IT 58518-52-8  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with sodium carbonate)  
 RN 58518-52-8 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 4-methyl-,  
 2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (11 CITINGS)

L5 ANSWER 48 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 1975:428196 CAPLUS Full-text  
 DN 83:28196  
 OREF 83:4513a, 4516a  
 TI Methylation of 1,2,3,4-tetrahydro-as-triazino[4,5-a]indole-1,4-dione  
 AU Robba, Max; Maume, Daniel; Lancelot, Jean C.  
 CS Lab. Pharm. Chim., UER Sci. Pharm., Caen, Fr.  
 SO Comptes Rendus des Seances de l'Academie des Sciences, Serie C: Sciences  
 Chimiques (1975), 280(8), 521-2  
 CODEN: CHDCAQ; ISSN: 0567-6541  
 DT Journal  
 LA French  
 OS CASREACT 83:28196  
 GI For diagram(s), see printed CA Issue.  
 AB Methylation of the title compound (I, R = R1 = H) with Me2SO4 gave 9:1 I (R =  
 H, R1 = Me) and II (R1 = Me). Methylation with CH2N2 gave a mixture of I (R =  
 H, Me, R1 = Me) and II (R1 = H, Me) with II (R1 = H) the predominant product.  
 I (R = R1 = H) was prepared by cyclizing 2-indolecarboxylic acid N'-  
 ethoxycarbonylhydrazide or rearranging 2-(2-indolyl)-1,3,4-oxadiazol-2-en-5-  
 one.  
 IT ~~37574-85-9~~  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (cyclization of)  
 RN 37574-85-9 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



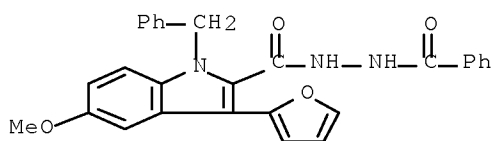
L5 ANSWER 49 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 1974:70638 CAPLUS Full-text  
 DN 80:70638  
 OREF 80:11403a, 11406a  
 TI Indole derivatives. XXXVII. Synthesis of indole compounds containing a  
 furan ring  
 AU Gabrielyan, G. E.; Papayan, G. L.  
 CS Inst. Tonkoi Org. Khim. im. Mndzhoyana, Erevan, USSR  
 SO Armyanskii Khimicheskii Zhurnal (1973), 26(9), 768-74  
 CODEN: AYKZAN; ISSN: 0515-9628  
 DT Journal  
 LA Russian  
 GI For diagram(s), see printed CA Issue.

AB Condensation of  $\text{MeCOCH}(\text{CH}_2\text{R})\text{CO}_2\text{Et}$  ( $\text{R} = 2\text{-furanyl}$ ) with  $4\text{-MeOC}_6\text{H}_4\text{N}_2^+ \text{Cl}^-$  gave  $4\text{-MeOC}_6\text{H}_4\text{NHN:C}(\text{CH}_2\text{R})\text{CO}_2\text{Et}$ , which cyclized in EtOH containing  $\text{H}_2\text{SO}_4$  to give the Et indolecarboxylate I ( $\text{R}_1 = \text{CO}_2\text{Et}$ ;  $\text{R}_2 = \text{H}$ ). I ( $\text{R}_1 = \text{CO}_2\text{H}$ ,  $\text{CH}_2\text{OH}$ , piperidinocarbonyl, piperidinomethyl,  $\text{CONHNH}_2$ ,  $\text{CO}_2\text{CH}_2\text{CH}_2\text{NMe}_2$ ,  $\text{CO}_2\text{CH}_2\text{CH}_2\text{NEt}_2$ ,  $\text{CONHNHBz}$ ,  $\text{CH}_2\text{NHNHCH}_2\text{Ph}$ ;  $\text{R}_1 = \text{H}$ ,  $\text{PhCH}_2$ ) (13 compds.) were prepared via standard procedures.

IT 51842-63-8P 51842-65-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

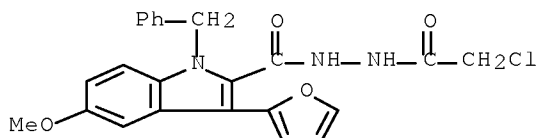
RN 51842-63-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3-(2-furanyl)-5-methoxy-1-(phenylmethyl)-, 2-benzoylhydrazide (CA INDEX NAME)



RN 51842-65-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3-(2-furanyl)-5-methoxy-1-(phenylmethyl)-, 2-(2-chloroacetyl)hydrazide (CA INDEX NAME)



OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

L5 ANSWER 50 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1972:551917 CAPLUS Full-text

DN 77:151917

OREF 77:24975a,24978a

TI Indolecarboxylic acid amide guanidine derivatives

IN Inaba, Shigeho; Hirohashi, Toshiyuki; Akatsu, Mitsuhiro; Yamamoto, Hisao

PA Sumitomo Chemical Co., Ltd.

SO Jpn. Tokkyo Koho, 3 pp.  
 CODEN: JAXXAD

DT Patent

LA Japanese

FAN.CNT 1

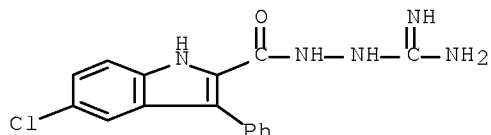
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 47030703	B4	19720809	JP 1969-37206	19690514 <--
GI	For diagram(s), see printed CA Issue.				
AB	Three title compds. (I) ( $\text{R} = \text{H}$ , $\text{PhCH}_2$ , cyclohexyl), diuretics, blood pressure depressants and remedies for diabetes mellitus, were prepared by treating the corresponding indole-2-carboxylic acid hydrazides with a cyanamide. E.g., 3-phenyl-5-chloro-2-indolecarboxylic acid hydrazide in EtOH was refluxed with 10% HCl and Ca cyanamide to give I ( $\text{R} = \text{H}$ ).				
IT	37943-68-3P	37943-69-4P	37943-70-7P		

10/591,895

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

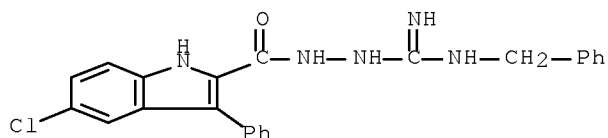
RN 37943-68-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-,  
2-(aminoiminomethyl)hydrazide (CA INDEX NAME)



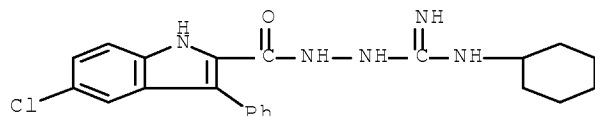
RN 37943-69-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-,  
2-[imino[(phenylmethyl)amino]methyl]hydrazide (CA INDEX NAME)



RN 37943-70-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-,  
2-[(cyclohexylamino)iminomethyl]hydrazide (CA INDEX NAME)



L5 ANSWER 51 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1972:539989 CAPLUS Full-text

DN 77:139989

OREF 77:23021a,23024a

TI Conditions of access to as-triazino(4,5-a)indole

AU Robba, M.; Maume, D.

CS Lab. Pharm. Chim., U.E.R. Sci. Pharm., Caen, Fr.

SO Tetrahedron Letters (1972), (23), 2333-5

CODEN: TELEAY; ISSN: 0040-4039

DT Journal

LA French

GI For diagram(s), see printed CA Issue.

AB The as-triazinoindoles (I, R = H, Me) were prepared by base-catalyzed rearrangement of oxadiazolyliindoles (II, R = H, Me, ClCH<sub>2</sub>, Cl<sub>2</sub>CH, Ph) which in turn were prepared by cyclizing in-dolylacylhydrazides R<sub>1</sub>CONHNHCOR (III, R<sub>1</sub> = 2-indolyl; R = H, Me, ClCH<sub>2</sub>, Cl<sub>2</sub>CH, Ph). Thus, III (R<sub>1</sub> = 2-indolyl, R = Me) was refluxed with POCl<sub>3</sub> to give II (R = Me) which was refluxed in KOPr-PrOH to give I (R = Me). Treating III (R = OEt) with POCl<sub>3</sub> gave the oxadiazolinone

10/591,895

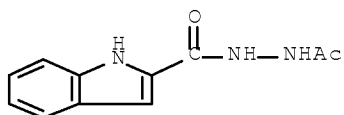
analog of II, whereas treating the former with KOPr-PrOH gave 2,3-dihydroas-triazino[4,5-a indole-1,4-dione.

IT 37574-75-7P 37574-76-8P 37574-77-9P  
37574-78-0P 37574-79-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation and cyclization of)

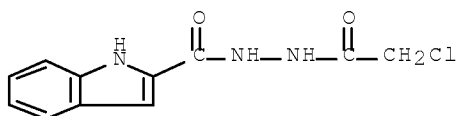
RN 37574-75-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-acetylhydrazide (CA INDEX NAME)



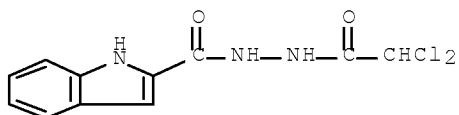
RN 37574-76-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(2-chloroacetyl)hydrazide (CA INDEX NAME)



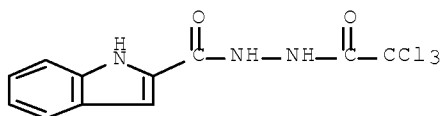
RN 37574-77-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(2,2-dichloroacetyl)hydrazide (CA INDEX NAME)



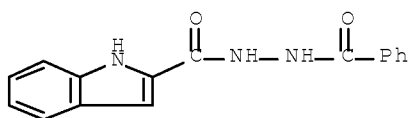
RN 37574-78-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(2,2,2-trichloroacetyl)hydrazide (CA INDEX NAME)

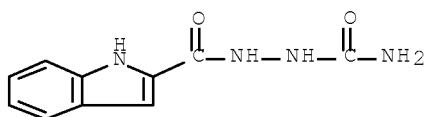


RN 37574-79-1 CAPLUS

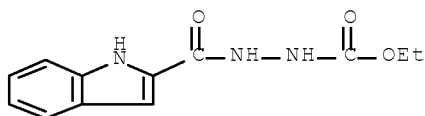
CN 1H-Indole-2-carboxylic acid, 2-benzoylhydrazide (CA INDEX NAME)



IT ~~37574-84-8P~~ ~~37574-85-9P~~  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 37574-84-8 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 2-(aminocarbonyl)hydrazide (CA INDEX NAME)



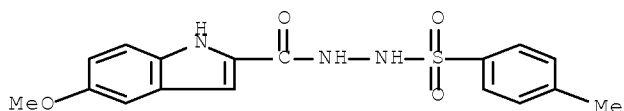
RN 37574-85-9 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



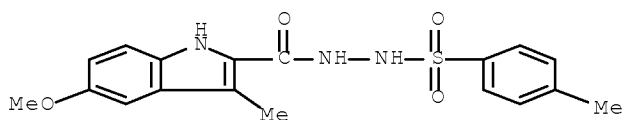
L5 ANSWER 52 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 1971:53406 CAPLUS Full-text  
 DN 74:53406  
 OREF 74:8597a,8600a  
 TI Synthesis of indole-2-carbaldehydes, 2-(2-aminoethyl) - and  
 2-(2-aminopropyl)indoles  
 AU Siddappa, S.; Bhat, G. A.  
 CS Dep. Chem., Karnatak Univ., Dharwar, India  
 SO Journal of the Chemical Society [Section] C: Organic (1971),  
 (1), 178-81  
 CODEN: JSOOAX; ISSN: 0022-4952  
 DT Journal  
 LA English  
 GI For diagram(s), see printed CA Issue.  
 AB Et indole-2-carboxylate derivs. (e.g. I) were reduced by LiAlH<sub>4</sub> to indole-2-  
 methanol derivs. (e.g. II). These were oxidized by MnO<sub>2</sub> to indole-2-  
 carboxaldehyde derivs. (e.g. III), which were also prepared from the indole-2-  
 carboxylates by the McFadyen-Stevens reaction. The aldehydes reacted with  
 MeNO<sub>2</sub> and EtNO<sub>2</sub>, and the condensation products (e.g. IV and V) were reduced by  
 LiAlH<sub>4</sub> to 2-(2-aminoethyl)indoles (e.g. VI) and 2-(2-aminopropyl)indoles (e.g.  
 VII), resp.  
 IT 22930-50-3P 30464-79-0P 30464-80-3P  
 30464-81-4P 30504-21-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 22930-50-3 CAPLUS

10/591,895

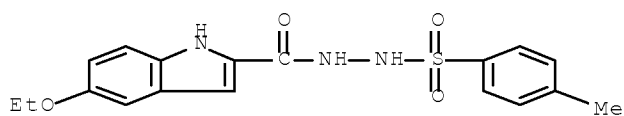
CN 1H-Indole-2-carboxylic acid, 5-methoxy-,  
2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



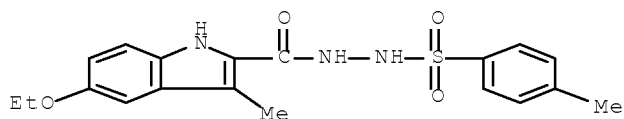
RN 30464-79-0 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-,  
2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



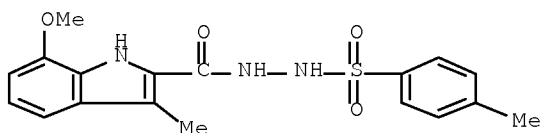
RN 30464-80-3 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-ethoxy-,  
2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



RN 30464-81-4 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-ethoxy-3-methyl-,  
2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



RN 30504-21-3 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 7-methoxy-3-methyl-,  
2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



OSC.G 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)

L5 ANSWER 53 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1970:67724 CAPLUS Full-text

DN 72:67724

OREF 72:12385a,12388a

TI Increasing the resistance of olefin polymers to copper catalyzed oxidation

IN Minagawa, Motonobu; Nakagawa, Kenichi

PA Societe Anon. Argus Chemical N. V.

SO Ger. Offen., 52 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	DE 1927447	B2	19750123	DE 1969-1927447	19690529 <--
	DE 1927447	C3	19750904		
	GB 1274759	A	19720517	GB 1969-1274759	19690520 <--
	US 3629189	A	19711221	US 1969-828365	19690527 <--
	BE 733822	A	19691201	BE 1969-733822	19690530 <--
	FR 2009661	A5	19700206	FR 1969-17755	19690530 <--
PRAI	JP 1968-36929	A	19680530		

GI For diagram(s), see printed CA Issue.

AB Heterocyclic hydrazines and lactams such as 4-(hydrazinocarbonyl) - 1H - 1,2,3 - triazole, 5 - (hydrazinocarbonyl) - 2-pyrrolidinone, and 5-(1H-1,2,4-triazol-3-ylaminocarbonyl)-2-pyrrolidinone (I) are added to polypropylene (II) to provide oxidation resistance when the polyolefin is used in contact with Cu (e.g., as elec. insulation for Cu wire). The Cu-catalyzed oxidation of II is impeded to an even greater extent by addition of pentaerythritol, trimethylolpropane, distearyl thiodipropionate (III), tris(nonylphenyl) phosphite (IV), tristearyl borate, or similar stabilizers along with heterocyclic compds. Thus, 100 parts II was mixed with 1,1,3-tris(5-tert-butyl - 4-hydroxy-2- methylphenyl)butane 0.05, III 0.15, IV 0.1, powdered Cu, and I 0.5 part. In an oxidation test, a film prepared from this mixture had induction time 2250 hr, compared with <20 hr for a control composition prepared similarly but without I.

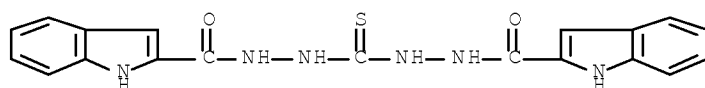
IT ~~26391-73-1~~

RL: USES (Uses)

(stabilizers, for propene polymers)

RN 26391-73-1 CAPLUS

CN Carbohydrazide, 1,5-bis(indol-2-ylcarbonyl)-3-thio- (8CI) (CA INDEX NAME)



L5 ANSWER 54 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1970:21728 CAPLUS Full-text

DN 72:21728

OREF 72:3989a,3992a

TI 2-Oxo-6-phenyl-1,5-benzodiazocines and 2-oxo-7-phenyl-1,6-benzodiazonines

IN Yamamoto, Hisao; Inaba, Shigeho; Okamoto, Tadashi; Ishizumi, Kikuo;

Yamamoto, Michihiro; Maruyama, Isamu; Hirohashi, Toshiyuki; Mori, Kazuo;

Kobayashi, Tsuyoshi  
 PA Sumitomo Chemical Co., Ltd.  
 SO Ger. Offen., 48 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	DE 1814332	A	19691016	DE 1968-1814332	19681212 <--
	DE 1814332	B2	19750227		
	DE 1814332	C3	19751016		
PRAI	DE 1968-1814332		19681212		

GI For diagram(s), see printed CA Issue.

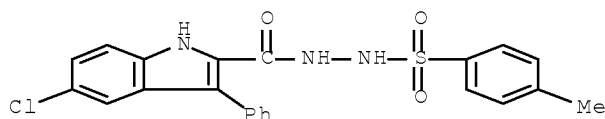
AB I (n = 2 or 3) useful as tranquilizers or muscle relaxants, were prepared by treatment of a 2-(aminoalkyl)indole with an oxidizing agent. Thus, 2 g CrO<sub>3</sub> in 2 ml H<sub>2</sub>O was added dropwise to a suspension of 2 g 1-methyl-2(2-aminoethyl)-3-phenyl-5-chloroindole-HCl (II) in 20 ml HOAc at 10°, the mixture stirred 16 hr at 20° and worked up, and the product (0.7 g) refluxed 30 hr with 20 ml pyridine to give I (n = 2), m. 175-80° (EtOH). I (n = 3), m. 201-6° (absolute EtOH), was similarly prepared II was prepared by treatment of 5-chloro-1-methyl-3-phenylindole-2-carboxylic acid Et ester with N<sub>2</sub>H<sub>4</sub>.H<sub>2</sub>O to give the hydrazide, m. 170-3° (EtOH), reaction of this with p-MeC<sub>6</sub>H<sub>4</sub>SO<sub>2</sub>Cl to give 1-(5-chloro-1-methyl-3-phenyl-2-indolylcarbonyl)-2-p-tolylsulfonylhydrazine, reaction of this with Na<sub>2</sub>CO<sub>3</sub> and glycerol followed by treatment with H<sub>2</sub>O to give 5-chloro-1-methyl-3-phenylindole-2-carboxaldehyde, treatment of this with MeNO<sub>2</sub>, tetrahydrofuran, and MeOH to give 1-methyl-5-chloro-2-(2-nitrovinyl)-3-phenylindole, and addition of HCl to this, to give II.

IT ~~26260-85-5P~~

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

RN 26260-85-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-,  
 2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



L5 ANSWER 55 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1969:412941 CAPLUS Full-text

DN 71:12941

OREF 71:2363a,2366a

TI Indole derivatives. XXV. Use of the ethyl ester of 5-methoxyindole-2-carboxylic acid and its hydrazide in reductions, chloroacylations, and the preparation of hydrazones

AU Mndzhoyan, A. L.; Papayan, G. L.; Gabrielyan, G. E.

CS Inst. Tonkoi Org. Khim., Erevan, USSR

SO Armyanskii Khimicheskii Zhurnal (1969), 22(1), 51-6

CODEN: AYKZAN; ISSN: 0515-9628

DT Journal

LA Russian

GI For diagram(s), see printed CA Issue.

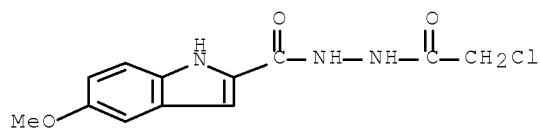
AB A mixture of 0.1 mole 5-methoxyindole-2-carboxylic acid (I), 60 g. 85% N<sub>2</sub>H<sub>4</sub>.H<sub>2</sub>O, and 200 cc. EtOH heated on a water bath gave 85% I hydrazide (II), m. 236-8°. II heated with Me<sub>2</sub>CO and I drop AcOH gave 93.8% III (R = R<sub>1</sub> = Me) (IV), m. 197-8°; HCl salt m. 285-6°. II and p-Me<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>CHO in EtOH gave 68.1% III (R = H, R<sub>1</sub> = p-Me<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>), m. 188-9° (HCONMe<sub>2</sub>); HCl salt m. 195-6°. A mixture of 0.01 mole II, 30 cc. freshly distilled AcCH<sub>2</sub>CO<sub>2</sub>Et, 1 drop AcOH, and 60 cc. C<sub>6</sub>H<sub>6</sub> heated so as to remove H<sub>2</sub>O formed gave 44% III (R = Me, R<sub>1</sub> = CH<sub>2</sub>CO<sub>2</sub>Et), m. 119-20° (EtOH-Et<sub>2</sub>O); HCl salt m. 288-9°. Similarly was prepared 63.5% III [R = Me, R<sub>1</sub> = (CH<sub>2</sub>)<sub>3</sub>CO<sub>2</sub>H], m. 185-6° (EtOH-Et<sub>2</sub>O). A mixture of 0.01 mole ClCH<sub>2</sub>COCl and 0.01 mole II in CHCl<sub>3</sub> and AcOH heated on a water bath gave 76.3% I chloroacetylhydrazide (V), m. 226-7° (dioxane-H<sub>2</sub>O). Similarly was prepared 64.5% I β-chloropropionylhydrazide, m. 211-12°. A mixture of 0.01 mole V, excess Et<sub>2</sub>NH, and dioxane kept 12 hrs. at room temperature, then heated gave 59.7% VI (R = CH<sub>2</sub>NEt<sub>2</sub>), m. 162-3°. Similarly was prepared 63% VI (R = CH<sub>2</sub>CH<sub>2</sub>NEt<sub>2</sub>), m. 100-2°. p-MeC<sub>6</sub>H<sub>4</sub>SO<sub>2</sub>Cl (1.9 g.) was added in small portions to 0.01 mole II in 25 cc. C<sub>5</sub>H<sub>5</sub>N, and the mixture kept at room temperature overnight and poured onto ice to give 92% 5-methoxyindole-3-carboxylic acid p-tolylsulfonylhydrazide, m. 233-4°. Similarly was prepared the phenylsulfonyl hydrazide, m. 221-2°, in 82% yield. A mixture of 0.01 mole II, 0.6 g. urea, and 30 cc. H<sub>2</sub>O boiled 18-20 hrs. gave 88.2% I semicarbazide, m. 198-9°. A mixture of 0.01 mole II, 0.01 mole phthalic anhydride, and 15 cc. HCONMe<sub>2</sub> heated at 140-45° 4-5 hrs. gave 92% N-(5-methoxy-2-indoloylamino)phthalimide, m. 289-90°. A solution of 0.1 mole I in a mixture of Et<sub>2</sub>O and C<sub>6</sub>H<sub>6</sub> was added dropwise to 0.76 g. LiAlH<sub>4</sub> in Et<sub>2</sub>O, and the mixture heated on a water bath and worked up to give 79.1% 3-hydroxymethyl-5-methoxyindole, m. 78-9° (Et<sub>2</sub>O-petroleum ether). A mixture of 0.01 mole I, 25 cc. piperidine, and 5 cc. AcOH heated 6 hrs. gave 73.6% I piperidide, m. 196-7° (Me<sub>2</sub>CO-Et<sub>2</sub>O). SOCl<sub>2</sub> and I in Et<sub>2</sub>O kept at room temperature 24 hrs., evaporated, and treated with concentrated NH<sub>3</sub> gave 5-methoxyindole-2-carboxamide, m. 201-2°. Similarly was prepared 5-methoxyindole-2-[N,N-bis(p-chloroethyl)]carboxamide, m. 157-8° (EtOH-H<sub>2</sub>O). A solution of 0.004 mole III in 7 cc. HCONMe<sub>2</sub> slowly added to 0.8 g. LiAlH<sub>4</sub> in Et<sub>2</sub>O, heated, and decomposed with NH<sub>4</sub>Cl and NaOH gave 69% I N-isopropylhydrazide, m. 81-2°.

IT 22930-46-7F 22930-47-8F 22930-48-9F  
 22930-49-0F 22930-50-3F 22930-51-4F  
 22930-52-5F

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

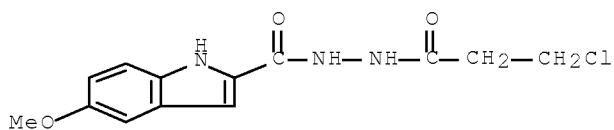
RN 22930-46-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-, 2-(2-chloroacetyl)hydrazide (CA  
 INDEX NAME)



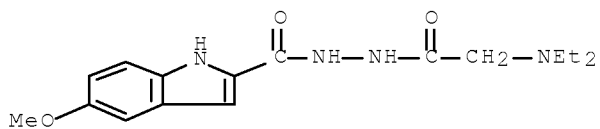
RN 22930-47-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-, 2-(3-chloro-1-oxopropyl)hydrazide  
 (CA INDEX NAME)



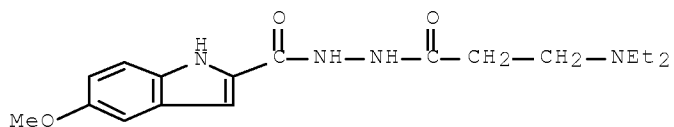
RN 22930-48-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-,  
2-[2-(diethylamino)acetyl]hydrazide (CA INDEX NAME)



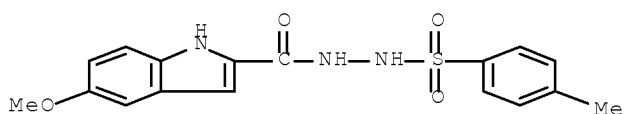
RN 22930-49-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-,  
2-[3-(diethylamino)-1-oxopropyl]hydrazide (CA INDEX NAME)



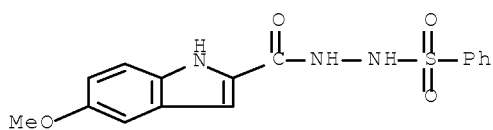
RN 22930-50-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-,  
2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



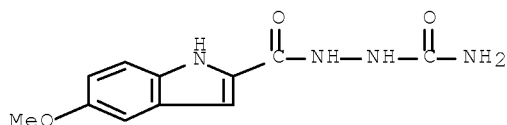
RN 22930-51-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-, 2-(phenylsulfonyl)hydrazide (CA INDEX NAME)



RN 22930-52-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-, 2-(aminocarbonyl)hydrazide (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L5 ANSWER 56 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1969:67824 CAPLUS Full-text

DN 70:67824

OREF 70:12653a

TI Stereochemistry of ethyl  $\alpha$ -cyano- $\beta$ -methylcinnamates

AU Nagai, Wakatu; Miwa, Toshio

CS Osaka City Univ., Osaka, Japan

SO Nippon Kagaku Zasshi (1968), 89(10), 958-66

CODEN: NPKZAZ; ISSN: 0369-5387

DT Journal

LA Japanese

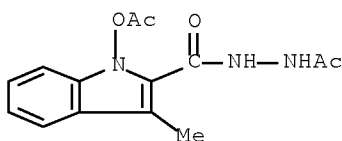
AB Cope-Knoevenagel condensation of o-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>Ac with NCCH<sub>2</sub>CO<sub>2</sub>Et gave 84.2% oil (I), b<sub>4</sub> 175-80°, which on standing solidified and afforded pale yellow prisms (II), m. 77°, on recrystn. II (2.6 g.) in 30 ml. PhMe and 10 ml. EtOH treated with 3 g. 80% N<sub>2</sub>H<sub>4</sub>.H<sub>2</sub>O and Raney Ni at reflux temperature gave 1-hydroxy-3-methyl-2-indolecarboxylic acid hydrazide (III), m. 182° (decomposition), O,N-di-Ac derivative m. 123-5°. Treating III with HNO<sub>2</sub> gave 1-hydroxy-3-methyl-2-indolecarbonyl azide. Hydrogenation of II over 5% Pd-C in EtOH yielded o-H<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>-Ac, 21.8% 2-amino-4-ethoxycarbonyl-4-methylquinoline 1-oxide, m. 175-7°, and 36.3% 1-hydroxy-3-cyano-4-methyl-2-quinolone (IV), m. 254-6°; acetate, m. 173-4°. IV has another form, m. 202-3°; acetate, m. 159-60°. Hydrogenation of II in AcOH or tetrahydrofuran gave 78% IV and a small amount 3-cyano-4-methylcarbostyryl. Thus the configuration of II is cis. The N.M.R. spectrum of I indicates that I is a mixture of 1.86:1 II and the trans isomer. ArCMe:C(CN)CO<sub>2</sub>Et were prepared (substituent and composition ratio, taking cis as 1, given): p-Br, 1/3,20; o-O<sub>2</sub>N, 1/0; o-Me, 1/1.04; o-MeO, 1/1.03. M.p. of cis-p-Br-C<sub>6</sub>H<sub>4</sub>CMe:C(CN)CO<sub>2</sub>Et (V) is 84°. Treating p-BrC<sub>6</sub>H<sub>4</sub>CH:C(CN)CO<sub>2</sub>Et with CH<sub>2</sub>N<sub>2</sub> yielded trans-V, m. 97.5°. The ratio of isomers is discussed from its steric aspects. N.M.R. and uv spectra and isomerization of these compds. are discussed. 3-Cyano-4,6-bis(p-bromophenyl)-6-methyl-2-oxo-1,2,5,6-tetrahydropyridine, m. 252-3°, was isolated from the condensation of p-BrC<sub>6</sub>H<sub>4</sub>Ac and NCCH<sub>2</sub>CO<sub>2</sub>Et.

IT 21771-73-3F

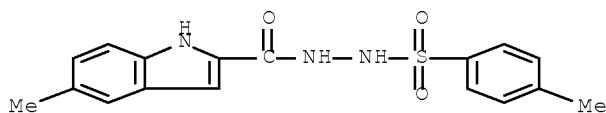
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 21771-73-3 CAPLUS

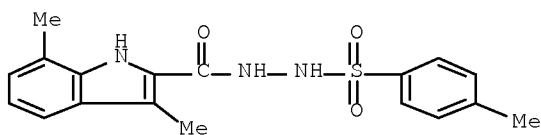
CN 1H-Indole-2-carboxylic acid, 1-(acetyloxy)-3-methyl-, 2-acetylhydrazide  
(CA INDEX NAME)



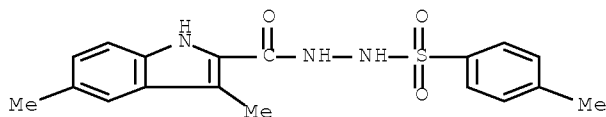
L5 ANSWER 57 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 1965:90729 CAPLUS Full-text  
 DN 62:90729  
 OREF 62:16177d-f  
 TI Synthetic studies in the indole field. VII. Synthesis of  
 indole-2-carboxaldehydes  
 AU Dambal, S. B.; Siddappa, S.  
 CS Karnatak Univ., Dharwar  
 SO Journal of the Indian Chemical Society (1965), 42(2), 112-14  
 CODEN: JICSAH; ISSN: 0019-4522  
 DT Journal  
 LA English  
 OS CASREACT 62:90729  
 GI For diagram(s), see printed CA Issue.  
 AB cf. CA 61, 16040c. Indole-2-carboxaldehydes were prepared by McFadyen-Stevens  
 redns. of the corresponding indole-2-carboxylic acid derivs. Thus, 2.5 g.  
 anhydrous K<sub>2</sub>CO<sub>3</sub> added to I (R = CONHNHO<sub>2</sub>SC<sub>6</sub>H<sub>4</sub>Me-p, R<sub>1</sub> = H, R<sub>2</sub> = 5-Me) and 25  
 ml. HOCH<sub>2</sub>CH<sub>2</sub>OH at 160°, the mixture poured after 5 min. onto 500 g. ice,  
 filtered, and the precipitate crystallized (EtOH) gave 90% I (R = CHO, R<sub>1</sub> = H,  
 R<sub>2</sub> = 5-Me), m. 175-6°; 2,4-dinitrophenylhydrazine (DNP) derivative m. 285°.  
 Similarly prepared were the following I (R = CHO) (R<sub>2</sub>, R<sub>2</sub>, m.p., % yield, and  
 m.p. DNP derivative given): H, 7-Me, 190°, 45, 265°, Me, 5-Me, 140°, 90, 315°;  
 and Me, 7-Me, 138°, 80, 276°. The following hydrazides I (R = CONHNH<sub>2</sub>) and  
 their p-tosyl derivs. were prepared as intermediates (R<sub>1</sub>, R<sub>2</sub>, m.p., and m.p.  
 of p-tolylsulfonyl derivative given): H, 5-Me, 249°, 251°; H, 7-Me, 261°,  
 220°; Me, 5-Me, 264°, 236°; and Me, 7-Me 245°, 243°.  
 IT 1463-63-4P, Hydrazine, 1-[(5-methylindol-2-yl)carbonyl]-2-(p-  
 tolylsulfonyl)- 2784-23-8P, Hydrazine,  
 1-[(3,7-dimethylindol-2-yl)carbonyl]-2-(p-tolylsulfonyl)-  
 2784-24-9P, Hydrazine, 1-[(3,5-dimethylindol-2-yl)carbonyl]-2-(p-  
 tolylsulfonyl)- 2898-94-4P, Hydrazine,  
 1-[(7-methylindol-2-yl)carbonyl]-2-(p-tolylsulfonyl)-  
 RL: PREP (Preparation)  
 (preparation of)  
 RN 1463-63-4 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 5-methyl-,  
 2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



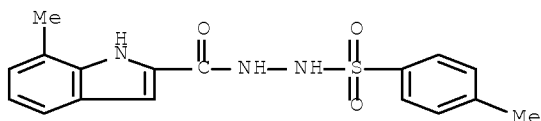
RN 2784-23-8 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 3,7-dimethyl-,  
 2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



RN 2784-24-9 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 3,5-dimethyl-,  
 2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



RN 2898-94-4 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 7-methyl-,  
 2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L5 ANSWER 58 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1964:23245 CAPLUS Full-text

DN 60:23245

OREF 60:4088h,4089a-c

TI Reaction of indole derivatives with thionyl and sulfuryl chlorides

AU Szmuszkowicz, Jacob

CS Upjohn Co., Kalamazoo, MI

SO Journal of Organic Chemistry (1964), 29(1), 178-84

CODEN: JOCEAH; ISSN: 0022-3263

DT Journal

LA Unavailable

OS CASREACT 60:23245

GI For diagram(s), see printed CA Issue.

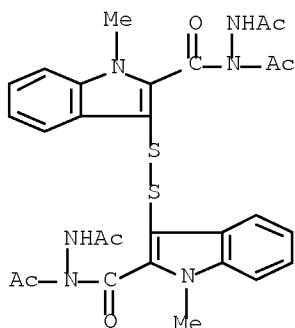
AB Reaction of 1-methylindole-2-carboxylic acid, the corresponding methyl ester (I), and of Et indole-2-carboxylate with thionyl chloride afforded sulfinyl chlorides (II, III, and IV, resp.). Thionyl chloride and N,1-dimethylindole-2-carboxamide led to sulfide (V, R = CONHMe) and imide sulfoxide (VI). III was converted to several sulfinamides (VII) on treatment with amines. VII were oxidized with permanganate to sulfonamides (VIII). Treatment of III with hydrazine in the cold gave disulfide (IX, R = CO<sub>2</sub>Me) (X), which was transformed to IX (R = CONHNH<sub>2</sub>) on heating with hydrazine. Monosulfide (V, R = CO<sub>2</sub>Me), disulfide X, and trisulfide XI were obtained from the reaction of I with sulfur monochloride. Reaction of 1-methylindole-2-carboxylic acid hydrazide with sulfuryl chloride led to the dichloro compound (XII), and I with sulfuryl chloride afforded the tetrachloro compound (XIII) and the hexachloro compound (XIV).

IT 107225-63-8P, Hydrazine,  
 1,1'-[dithiobis[(1-methylindole-3,2-diyl)carbonyl]bis[1,2-diacetyl]-  
 RL: PREP (Preparation)  
 (preparation of)

RN 107225-63-8 CAPLUS

CN Hydrazine, 1,1'-[dithiobis[(1-methylindole-3,2-diyl)carbonyl]]bis[1,2-

diacetyl- (7CI) (CA INDEX NAME)



OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

L5 ANSWER 59 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1956:77870 CAPLUS Full-text

DN 50:77870

OREF 50:14744g-i,14745a-b

TI Syntheses of antituberculous compounds. V. Derivatives of pyridine and indole

AU Kakimoto, Shichiro; Nishie, Jun

CS Hokkaido Univ., Sapporo

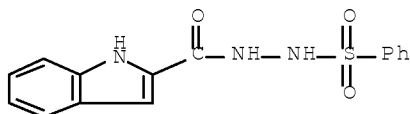
SO Japan. J. Tuberc. (1954), 2, 334-7

DT Journal

LA Unavailable

AB cf. C.A. 49, 1165g. A mixture of 0.4 g. 2-chloroisonicotinic acid, 0.1 g. Cu powder, and BuONa (prepared from 0.3 g. Na in 15 ml. BuOH) is refluxed 3 hrs., the solvent removed and the residue in H<sub>2</sub>O is acidified with dilute HCl to give 0.2 g. 2-butoxyisonicotinic acid (I), m. 120°. I (1.0 g.) is refluxed 2 hrs. with 6 ml. absolute EtOH containing 2 ml. concentrated H<sub>2</sub>SO<sub>4</sub>, and the solution poured into 30 ml. H<sub>2</sub>O, made alkaline with K<sub>2</sub>CO<sub>3</sub> and extracted with Et<sub>2</sub>O. The ether is evaporated and the residue refluxed 6 hrs. with 2 ml. 60% N<sub>2</sub>H<sub>4</sub>.H<sub>2</sub>O in 20 ml. EtOH to give after recrystn. from EtOH 0.6 g. 2-butoxyisonicotinic acid hydrazide, m. 104°. To 10 g. NaNH<sub>2</sub> in 20 ml. Decalin, 10 g. 4-methylpyridine is added and the mixture heated 10 hrs. at 140-50°. On cooling and treatment with water 8.5 g. 2-amino-4-methylpyridine (II), m. 102°, is obtained. II (1.0 g.) in 1 ml. AcOH refluxed 2 hrs. with 2 ml. Ac<sub>2</sub>O gives 1.0 g. 2-acetamido-4-methylpyridine (III), m. 104°. III (1.0 g.) in 100 ml. H<sub>2</sub>O containing 1.7 g. MgSO<sub>4</sub> is oxidized with 1.5 g. KMnO<sub>4</sub> under reflux, stirred 4 hrs. at 60°, the mixture is filtered, and the filtrate concentrated to 15 ml. and cooled. The oily substance deposited is filtered off and the filtrate acidified with AcOH. Purification of the precipitated material gives 0.5 g. 2-aminoisonicotinic acid (IV), m. above 300°; Et ester, m. 25° (crude), converted to 2-aminoisonicotinic acid hydrazide, m. 189°. 2-Indolecarboxylic acid (1.2 g.) in 45 ml. MeOH saturated with dry HCl at 0°, and left 12 hrs. gives 1.0 g. Me ester, m. 148-9°. The ester is converted to the hydrazide (V), m. 225° (decomposition). V (1.1 g.) in 9 ml. C<sub>5</sub>H<sub>5</sub>N is treated with 1.3 g. PhSO<sub>2</sub>Cl with cooling and allowed to stand 5 hrs. The mixture is evaporated to dryness in vacuo to give on recrystn. from 60% EtOH 7.5 g. 2-indolecarboxylic acid benzenesulfonylhydrazide (VI), m. 231° (decomposition). A mixture of 0.5 g. VI, 0.35 g. Na<sub>2</sub>CO<sub>3</sub>, 0.25 g. thiosemicarbazide, and 5 ml. glycerol is heated 2 min. at 130°, cooled, and diluted with 10 ml. H<sub>2</sub>O to give 0.15 g. 2-indolecarboxaldehyde thiosemicarbazone, yellow needles, m. 231° (decomposition).

IT 858213-13-5P, Hydrazine,  
1-(2-indolylcarbonyl)-2-(phenylsulfonyl)-  
RL: PREP (Preparation)  
(preparation of)  
RN 858213-13-5 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 2-(phenylsulfonyl)hydrazide (CA INDEX NAME)



OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

=> s 14 not 15

L6 29 L4 NOT L5

=> dis 16 1-29 bib abs fhitstr

L6 ANSWER 1 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2010:129736 CAPLUS Full-text

DN 152:381375

TI Investigation of interaction of benzoquinones and naphthoquinones with substituted hydrazides

AU Hassan, Alaa A.; Ibrahim, Yusria R.; Shawky, Ahmed M.

CS Department of Chemistry, Faculty of Science, Minia University, El-Minia, Egypt

SO Journal of Heterocyclic Chemistry (2010), 47(1), 118-124  
CODEN: JHTCAD; ISSN: 1943-5193

PB John Wiley & Sons, Inc.

DT Journal

LA English

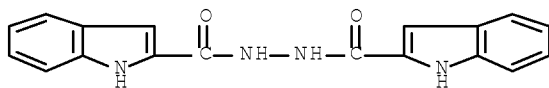
AB Nucleophilic attack of substituted hydrazides on C(2), C(3) of 2,3,5,6-tetrachloro-1,4-benzoquinone and 2,3-dichloro-1,4-naphthoquinone led to benzo[e][1,3,4]oxadiazines and benzo- as well as naphthoxadiazepines. On the other hand, hydrazides attacked 1,4-naphthoquinone-2,3-dicarbonitrile to form benzo[f]indazole-4,9-diones. A rationale for the conversions observed was presented.

IT 188837-57-2P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(heterocyclization of benzoquinone and naphthoquinone with hydrazides)

RN 188837-57-2 CAPLUS

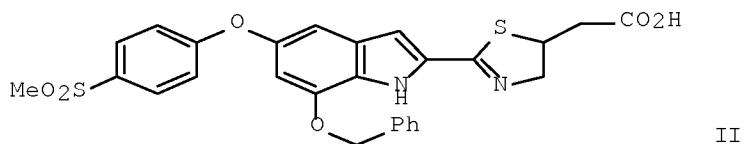
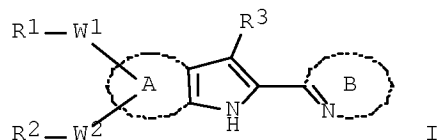
CN 1H-Indole-2-carboxylic acid, 2-(1H-indol-2-ylcarbonyl)hydrazide (CA INDEX NAME)



RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2009:1262329 CAPLUS Full-text  
 DN 151:470187  
 TI Preparation of fused ring compounds as glucokinase activators  
 IN Yasuma, Tsuneo; Takakura, Nobuyuki  
 PA Takeda Pharmaceutical Company Limited, Japan  
 SO PCT Int. Appl., 284pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2009125873	A1	20091015	WO 2009-JP57625	20090409
	W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
	RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
PRAI	JP 2008-102691	A	20080410		
OS	MARPAT 151:470187				
GI					



AB The present invention aims to provide a glucokinase activator useful as a pharmaceutical agent such as an agent for the prophylaxis or treatment of diabetes, obesity and the like. The present invention provides a glucokinase activator containing a compound I [ring A = 6-membered ring (optionally further substituted); ring B = (un)substituted 5-7 membered N-containing heterocycle; W1, W2 = O, S, SO, SO2, NH, N(alkyl); R1 = (un)substituted Me, alkyl, cycloalkyl, aryl, heterocyclyl; R2 = (un)substituted alkyl, cycloalkyl; R3 = H, halo; with the proviso]. Over one-hundred compds. I were prepared and formulated. E.g., a multi-step synthesis of II, starting from 5-fluoro-2-nitrophenol and benzyl bromide, was given. Exemplified compds. I were tested

10/591,895

for GK activation (data given for representative compds. I). For example, II showed EC50 of 0.55  $\mu$ M.

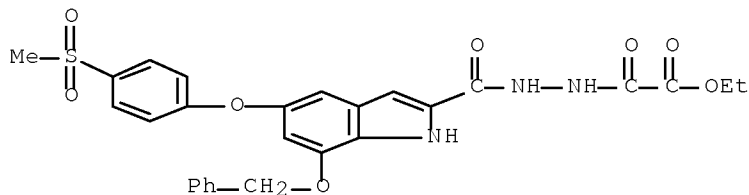
IT 1191102-87-0F

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of thiazolyindole derivs. as glucokinase activators for treating diabetes, obesity and the like)

RN 1191102-87-0 CAPLUS

CN Ethanedioic acid, 1-ethyl ester, 2-[2-[[5-[4-(methylsulfonyl)phenoxy]-7-(phenylmethoxy)-1H-indol-2-yl]carbonyl]hydrazide] (CA INDEX NAME)



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2009:988625 CAPLUS [Full-text](#)

DN 151:358598

TI Synthesis and antimicrobial activity of some

5-substituted-3-phenyl-N $\beta$ -(substituted-2-oxo-2H-pyrano[2,3-b]quinoline-3-carbonyl)-1H-indole-2-carboxyhydrazide

AU Mathada, Basavarajaiah Suliphal Devara; Mathada, Mruthyunjayaswamy  
Bennikallu Hire

CS Department of Studies and Research in Chemistry, Gulbarga University,  
Gulbarga, 585106, India

SO Chemical & Pharmaceutical Bulletin (2009), 57(6), 557-560  
CODEN: CPBTAL; ISSN: 0009-2363

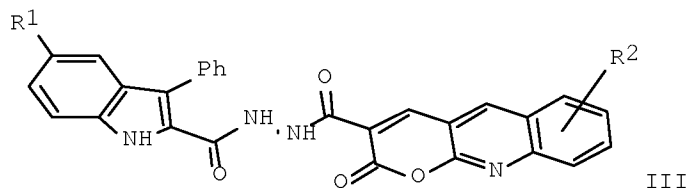
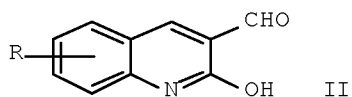
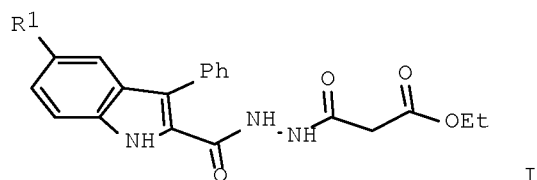
PB Pharmaceutical Society of Japan

DT Journal

LA English

OS CASREACT 151:358598

GI



AB Et 3-oxo-3-{2-[(5-substituted-3-phenyl-1H-indol-2-yl)carbonyl]hydrazinyl}propanoates I (R=Cl, OMe) were synthesized according to the literature method. These on further reaction with substituted-2-hydroxy-3-formyl-quinolines II (R=H, 7-Br, 7-CH<sub>3</sub>, 9-CH<sub>3</sub>, 9-OCH<sub>3</sub>) yielded 5-substituted-Nβ-(2-oxo-2H-pyrano[2,3-b]quinoline-3-carbonyl)- 3-phenyl-1H-indole-2-carbohydrazides III (R<sub>1</sub>=Cl, OCH<sub>3</sub>; R<sub>2</sub>=H, 7-Br, 7-CH<sub>3</sub>, 9-CH<sub>3</sub>, 9-OCH<sub>3</sub>). Structures of the all the newly synthesized compds. were confirmed by spectral data. All these compds. have been screened for their antibacterial activity against Staphylococcus aureus, Escherichia coli and Bacillus subtilus, antifungal activity against Aspergillus niger and Candida albicans and antituberculosis activity against Mycobacterium tuberculosis (H37Rv).

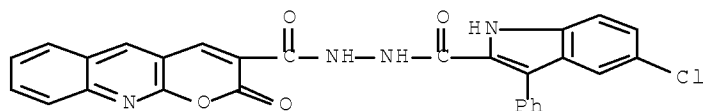
IT 1187440-56-7P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation, antimicrobial and antituberculosis activity of pyranoquinolineindolecarboxyhydrazides via heterocyclization of indolylcarbonylhydrazinyl propanoates with hydroxyformyl quinolines)

RN 1187440-56-7 CAPLUS

CN 2H-Pyrano[2,3-b]quinoline-3-carboxylic acid, 2-oxo-, 2-[(5-chloro-3-phenyl-1H-indol-2-yl)carbonyl]hydrazide (CA INDEX NAME)



RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN

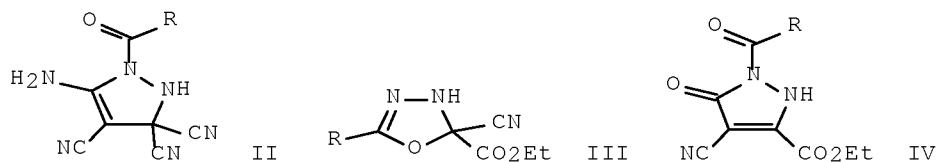
AN 2009:875187 CAPLUS Full-text

DN 151:358620

TI Synthesis of novel pyrazole derivatives and evaluation of their

antidepressant and anticonvulsant activities

AU Abdel-Aziz, Mohamed; Abuo-Rahma, Gamal El-Din A.; Hassan, Alaa A.  
 CS Department of Medicinal Chemistry, Faculty of Pharmacy, Minia University,  
 Minia, Egypt  
 SO European Journal of Medicinal Chemistry (2009), 44(9), 3480-3487  
 CODEN: EJMCA5; ISSN: 0223-5234  
 PB Elsevier Masson SAS  
 DT Journal  
 LA English  
 OS CASREACT 151:358620  
 GI



AB Substituted carboxylic acid hydrazides RCONHNH<sub>2</sub> (R = Ph, 2-thienyl, 2-pyridyl, 2-indolyl) (I) reacted with tetracyanoethylene in DMF with the formation of diacylhydrazines RCONHNHCOR and 5-aminopyrazole-3,3,4-tricarbonitriles II. On the other hand, I reacted with di-Et (E)-2,3-dicyanobutenedioate to give oxadiazoles III and pyrazolones IV. The prepared diacylhydrazines and pyrazolones II and IV were evaluated for their antidepressant activity using tail suspension behavioral despair test and anticonvulsant activity against PTZ induced seizures in mice. Diacylhydrazines RCONHNHCOR (R = Ph, 2-thienyl) induced markedly antidepressant activity compared to imipramine, and their activities as antidepressants nearly equal twice the activity of imipramine at 10 mg/kg-1 dose level. On the other hand, IV (R = Ph, 2-thienyl, 2-indolyl) exhibited remarkable protective effect against clonic seizures induced by i.p. injection of PTZ at a dose level of 20 mg/kg-1. The results of anticonvulsant activity are nearly close to phenobarbital sodium at a dose level of 30 mg/kg-1 and more potent than phenytoin sodium at a dose level of 30 mg/kg-1.

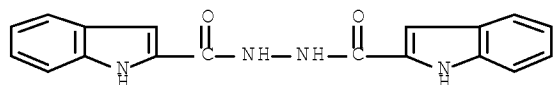
IT 188837-57-2F

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(synthesis of diacylhydrazines and (acyl)(amino)tricyanopyrazoles from hydrazides and tetracyanoethylene and evaluation of their antidepressant and anticonvulsant activities)

RN 188837-57-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(1H-indol-2-ylcarbonyl)hydrazide (CA INDEX NAME)



RE.CNT 58 THERE ARE 58 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2008:1533886 CAPLUS Full-text  
 DN 150:56394  
 TI Synthesis and compositions of deoxycholic acid for the removal of fat deposits  
 IN Moriarty, Robert M.; David, Nathaniel E.; Mahmood, Nadir Ahmeduddin  
 PA Kythera Biopharmaceuticals, Inc., USA  
 SO U.S. Pat. Appl. Publ., 31pp.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20080318870	A1	20081225	US 2008-35339	20080221
	AU 2008265721	A1	20081224	AU 2008-265721	20080618
	CA 2690841	A1	20081224	CA 2008-2690841	20080618
	WO 2008157635	A2	20081224	WO 2008-US67391	20080618
	WO 2008157635	A3	20090604		
	W:				
	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
	RW:				
	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
	EP 2069383	A2	20090617	EP 2008-771400	20080618
	R:				
	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, AL, BA, MK, RS				
	KR 2010031512	A	20100322	KR 2009-726748	20080618
	IN 2008DE02264	A	20100409	IN 2008-DE2264	20080926
	CN 101711254	A	20100519	CN 2008-80019212	20091207
PRAI	US 2007-945035P	P	20070619		
	US 2007-956875P	P	20070820		
	US 2008-35339	A	20080221		
	GB 2008-7615	A	20080425		
	US 2008-153446	A	20080516		
	WO 2008-US67391	W	20080618		

# ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB Deoxycholic acid is prepared, and compns. for the removal of fat deposits are described. The bile acids are not isolated from mammalian and microbial organisms and are free of toxins and contaminants such as pyrogenic moieties. Thus, deoxycholic acid is prepared starting from hydrocortisone in several steps.

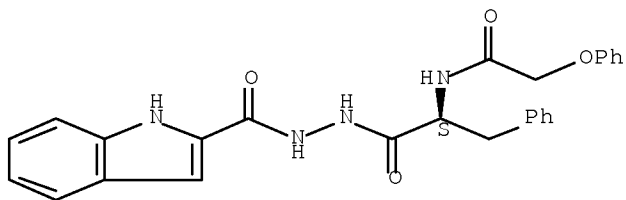
IT 274934-35-9, S.A.0204

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (co-drug; synthesis and compns. of deoxycholic acid for removal of fat deposits)

RN 274934-35-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-[1-oxo-2-[(2-phenoxyacetyl)amino]-3-phenylpropyl]hydrazide (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 6 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2008:1533885 CAPLUS Full-text  
 DN 150:56393  
 TI Synthesis and compositions of deoxycholic acid for the removal of fat deposits  
 IN Moriarty, Robert M.; David, Nathaniel E.; Mahmood, Nadir Ahmeduddin; Prasad, Achampeta Rathan; Swaringen, Roy A., Jr.; Reid, John Gregory; Sahoo, Akhila Kumar  
 PA Kythera Biopharmaceuticals, Inc., USA  
 SO PCT Int. Appl., 87pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2008157635	A2	20081224	WO 2008-US67391	20080618
	WO 2008157635	A3	20090604		
	W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
	RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
	US 20080318870	A1	20081225	US 2008-35339	20080221
	GB 2452358	A	20090304	GB 2008-7615	20080425
	GB 2452358	B	20091209		
	GB 2460350	A	20091202	GB 2009-12493	20080425
	US 20090270642	A1	20091029	US 2008-153446	20080516
	AU 2008265721	A1	20081224	AU 2008-265721	20080618
	CA 2690841	A1	20081224	CA 2008-2690841	20080618
	EP 2069383	A2	20090617	EP 2008-771400	20080618
	R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, AL, BA, MK, RS			
	KR 2010031512	A	20100322	KR 2009-726748	20080618
	IN 2008DE02264	A	20100409	IN 2008-DE2264	20080926
	CN 101711254	A	20100519	CN 2008-80019212	20091207
PRAI	US 2007-945035P	P	20070619		
	US 2007-956875P	P	20070820		
	US 2008-35339	A	20080221		
	GB 2008-7615	A	20080425		

10/591,895

US 2008-153446 A 20080516  
WO 2008-US67391 W 20080618

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS CASREACT 150:56393; MARPAT 150:56393

AB Deoxycholic acid is prepared, and compns. for the removal of fat deposits are described. The bile acids are not isolated from mammalian and microbial organisms and are free of toxins and contaminants such as pyrogenic moieties. Thus, deoxycholic acid is prepared from 9 $\alpha$ -hydroxyandrost-4-ene-3,17-dione in several steps. The synthetic and bovine-derived sodium deoxycholate demonstrated similar cytolytic activity against human adipocytes.

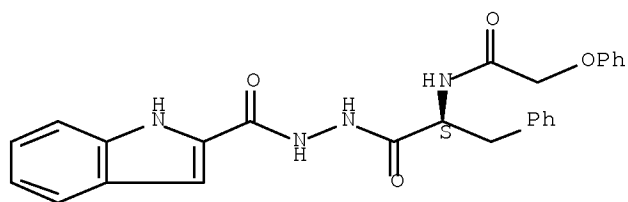
IT 274934-35-9, S.A.0204

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(co-drug; synthesis and compns. of deoxycholic acid for removal of fat deposits)

RN 274934-35-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-[1-oxo-2-[(2-phenoxyacetyl)amino]-3-phenylpropyl]hydrazide (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 7 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2008:1419268 CAPLUS Full-text

DN 149:571286

TI Diacylhydrazine ligands for modulating expression of transgenes via chimeric ecdysone receptor complexes

IN Hormann, Robert Eugene; Potter, David W.; Chortyk, Orestes; Tice, Colin M.; Carlson, Glenn Richard; Meyer, Andrew; Opie, Thomas R.

PA Intrexon Corporation, USA

SO U.S., 84pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 7456315	B2	20081125	US 2004-787906	20040226
	US 20060020146	A1	20060126		
	AU 2004217510	A1	20040916	AU 2004-217510	20040227
	CA 2516993	A1	20040916	CA 2004-2516993	20040227
	WO 2004078924	A2	20040916	WO 2004-US5912	20040227
	WO 2004078924	A3	20050519		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN,				

GQ, GW, ML, MR, NE, SN, TD, TG

EP 1601642	A2	20051207	EP 2004-715710	20040227
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2007524595	T	20070830	JP 2006-508884	20040227
US 20080064741	A1	20080313	US 2007-841568	20070820
US 7563928	B2	20090721		
PRAI US 2003-455741P	P	20030228		
US 2004-787906	A	20040226		
WO 2004-US5912	A	20040227		

# ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 149:571286

AB The present invention relates to non-steroidal diacylhydrazine ligands AC(:X)N(G)N(E)C(:X')B [A = (substituted)Ph; B = A, (substituted)-6-membered heterocycle, 5-benzimidazolyl, 1H-indazole-3-yl, 1H-indole-2-yl, etc.; E = (substituted)-C4-10-branched alkyl; G = H, CN; X,X' = O, S] for use in nuclear receptor-based inducible gene expression systems. A method to modulate exogenous gene expression is disclosed in which an ecdysone receptor complex comprising (1) a DNA binding domain, (2) a ligand binding domain, (3) a transactivation domain, (4) and a diacylhydrazine ligand is contacted with a DNA construct comprising the exogenous gene and a response wherein binding of the ecdysone receptor complex to the response element in the presence of the ligand results in activation or suppression of the gene. A method for synthesizing the diacylhydrazines is further disclosed. Thus, 2-Et-3-MeO-benzoic acid N'-t-Bu hydrazide was reacted with NaH, then pyrazine-2-carboxylic acid pentafluorophenyl ester was added to prepare pyrazine-2-carboxylic acid N-t-Bu-N'-(2-Et-3-MeO-benzoyl)hydrazide. Many diacylhydrazines were synthesized and their water solubility and cell permeation coeffs. were determined These ligands were tested in mammalian cells expressing an ecdysone receptor complex and a reporter gene. The receptor complex contained a first protein containing domains from spruce budworm ecdysone receptor fused to a GAL4 DNA binding domain and a second protein containing domains from human RXR $\beta$  and Locusta USP fused to the VP16 transactivation domain. The reporter gene construct consisted of GAL4 response elements fused to a synthetic TATA minimal promoter upstream of a luciferase gene. Similar expts. were conducted in vivo (in mice).

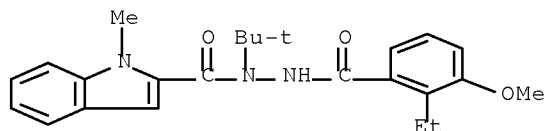
IT 755012-93-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(diacylhydrazine ligands for modulating expression of transgenes via chimeric ecdysone receptor complexes)

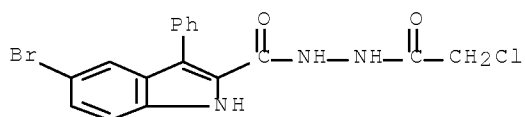
RN 755012-93-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 1-methyl-,  
1-(1,1-dimethylethyl)-2-(2-ethyl-3-methoxybenzoyl)hydrazide (CA INDEX NAME)



OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)  
RE.CNT 205 THERE ARE 205 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 8 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2008:1223845 CAPLUS Full-text  
 DN 150:423143  
 TI Intramolecular cyclization of N'-chloroacetylindole hydrazide  
 AU Sharma, Prabhuodeyara M. Veerasha  
 CS Department of Chemistry, Gulbarga University, Gulbarga, 585 106, India  
 SO Asian Journal of Chemistry (2008), 20(8), 6597-6599  
 CODEN: AJCHEW; ISSN: 0970-7077  
 PB Asian Journal of Chemistry  
 DT Journal  
 LA English  
 OS CASREACT 150:423143  
 AB In this paper, some active class of compds. were synthesized, which the linked to indole nucleus. Various Et indole-2-carboxylates (1a-c) were prepared according to the Fischer method. These esters on reaction with hydrazine hydrate in ethanol yielded substituted indole-2-carboxyhydrazides. Hydrazides on reaction with chloroacetyl chloride in dry dioxane at reflux temperature to get N'-chloroacetylindole hydrazide. The N'-chloroacetylindole hydrazide compds. on reaction sodium hydroxide in DMF at reflux temperature with constant stirring gave 5,6-dihydro-5-substituted-3-phenylindole-1,3,4-oxadiazin-5-one.  
 IT 1142922-67-5P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of indolyl-oxadiazinone derivs. by alkylation of indole-hydrazides with chloroacetyl chloride followed by intramol. cyclization of N'-chloroacetylindole hydrazides)  
 RN 1142922-67-5 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-,  
 2-(2-chloroacetyl)hydrazide (CA INDEX NAME)



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

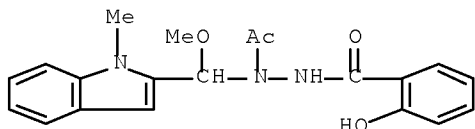
L6 ANSWER 9 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2008:1066574 CAPLUS Full-text  
 DN 152:64550  
 TI N-Acetyl-2-hydroxy-N'-[methoxy(1-methylindol-2-yl)methyl]benzohydrazide  
 AU Yehye, Wagee A.; Rahman, Noorsaadah Abdul; Ariffin, Azhar; Ng, Seik Weng  
 CS Department of Chemistry, University of Malaya, Kuala Lumpur, 50603, Malay.  
 SO Acta Crystallographica, Section E: Structure Reports Online (2008), E64(9), o1824  
 CODEN: ACSEBH; ISSN: 1600-5368  
 URL: <http://journals.iucr.org/e/issues/2008/09/00/tk2298/tk2298.pdf>  
 PB Wiley-Blackwell  
 DT Journal; (online computer file)  
 LA English  
 AB In the crystal structure of the title Schiff-base, C<sub>20</sub>H<sub>21</sub>N<sub>3</sub>O<sub>4</sub>, the amino group forms an N-H...O hydrogen bond to the acetyl group of an adjacent mol., forming a zigzag chain. The 2-hydroxy group is internally hydrogen bonded to the amido group though an O-H...O hydrogen bond. Crystallog. data are given.  
 IT 1199807-02-7P

10/591,895

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(crystal structure of)

RN 1199807-02-7 CAPLUS

CN Benzoic acid, 2-hydroxy-, 2-acetyl-2-[methoxy(1-methyl-1H-indol-2-yl)methyl]hydrazide (CA INDEX NAME)



OSC.G 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

L6 ANSWER 10 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2008:978960 CAPLUS Full-text

DN 150:373771

TI Reactions of substituted carbohydrazides with electron-poor olefins

AU Hassan, Alaa A.; Ibrahim, Yusria R.; Shawky, Ahmed M.

CS Chemistry Department, Faculty of Sciences, El-Minia University, El-Minia, Egypt

SO Zeitschrift fuer Naturforschung, B: Chemical Sciences (2008), 63(8), 998-1004

CODEN: ZNBSEN; ISSN: 0932-0776

PB Verlag der Zeitschrift fuer Naturforschung

DT Journal

LA English

OS CASREACT 150:373771

AB Substituted carbohydrazides RCONHNH<sub>2</sub> (I, R = Ph, 2-thienyl, 2-furyl, 2-pyridyl, 2-indolyl) reacted with ethenetetracarbonitrile in DMF with formation of diacylhydrazines RCONHNHCOR and 5-amino-1-substituted pyrazole-3,3,4-tricarbonitriles. On the other hand, I reacted with di-Et (E)-2,3-dicyanobutenedioate to give oxadiazinone and pyrazolone derivs.

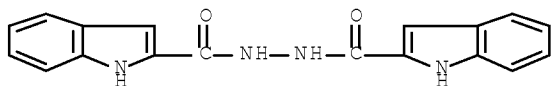
IT 188837-57-2P

RL: SPN (Synthetic preparation); PREP (Preparation)

(reactions of substituted carbohydrazides with electron-poor olefins)

RN 188837-57-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(1H-indol-2-ylcarbonyl)hydrazide (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

RE.CNT 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

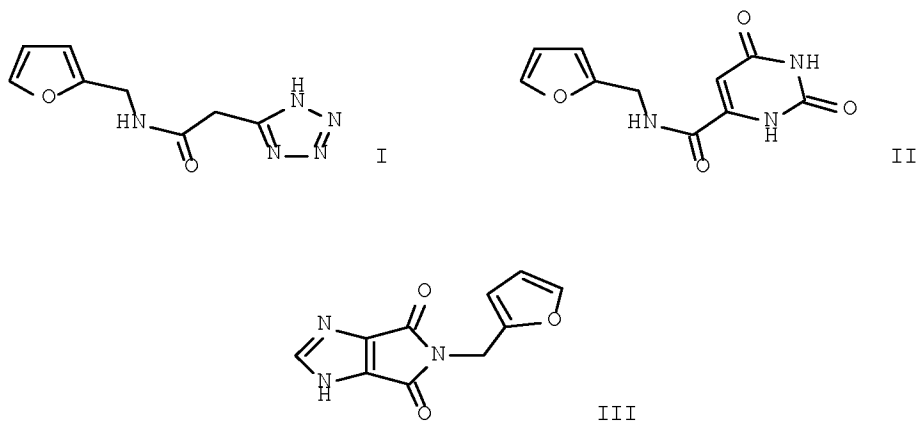
L6 ANSWER 11 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2008:560704 CAPLUS Full-text

DN 150:214208

TI Microwave assisted synthesis of indole and furan derivatives possessing good anti-inflammatory and analgesic activity

AU Sondhi, Sham M.; Jain, Shubhi; Rani, Reshma; Kumar, Ashok  
 CS Department of Chemistry, Indian Institute of Technology Roorkee, Roorkee,  
 247667, India  
 SO Indian Journal of Chemistry, Section B: Organic Chemistry Including  
 Medicinal Chemistry (2007), 46B(11), 1848-1854  
 CODEN: IJSBDB; ISSN: 0376-4699  
 PB National Institute of Science Communication and Information Resources  
 DT Journal  
 LA English  
 OS CASREACT 150:214208  
 GI



AB Indole-2-carboxylic acid on condensation with benzene sulfonyl hydrazide and p-toluene sulfonyl hydrazide gave the corresponding products. 1H-Tetrazole-5-acetic acid, hydantoin-5-acetic acid, orotic acid, 5-bromo nicotinic acid and indole 2-carboxylic acid have been condensed with furfuryl amine to give corresponding products, e.g., I and II, whereas condensation of succinic acid and adipic acid with furfuryl amine gave the corresponding compds. 3,5-Pyrazole dicarboxylic acid, 4,5-imidazole dicarboxylic acid and 3-carboxy-1,4-dimethyl pyrrole-2-acetic acid on condensation with furfuryl amine gave the corresponding compds., e.g., III. All the prepared compds. have been screened for their anti-inflammatory and analgesic activities. Compds. I and III exhibit good anti-inflammatory and I, II and III exhibited good analgesic activity.

IT 500316-12-1P

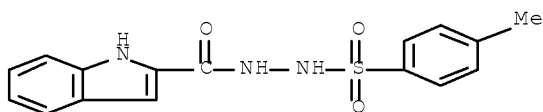
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(microwave irradiation-assisted preparation, anti-inflammatory and analgesic

activities of indole and furan derivs. bearing various heterocyclic substituents)

RN 500316-12-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)  
 RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 12 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2008:508616 CAPLUS Full-text  
 DN 148:495789  
 TI Preparation of indole compounds as glucokinase activators for treating  
 diabetes, obesity and the like  
 IN Yasuma, Tsuneo; Ujikawa, Osamu; Itoh, Masahiro; Aoki, Kazuko  
 PA Takeda Pharmaceutical Co., Ltd., Japan  
 SO U.S. Pat. Appl. Publ., 239 pp.  
 CODEN: USXXCO

DT Patent  
 LA English

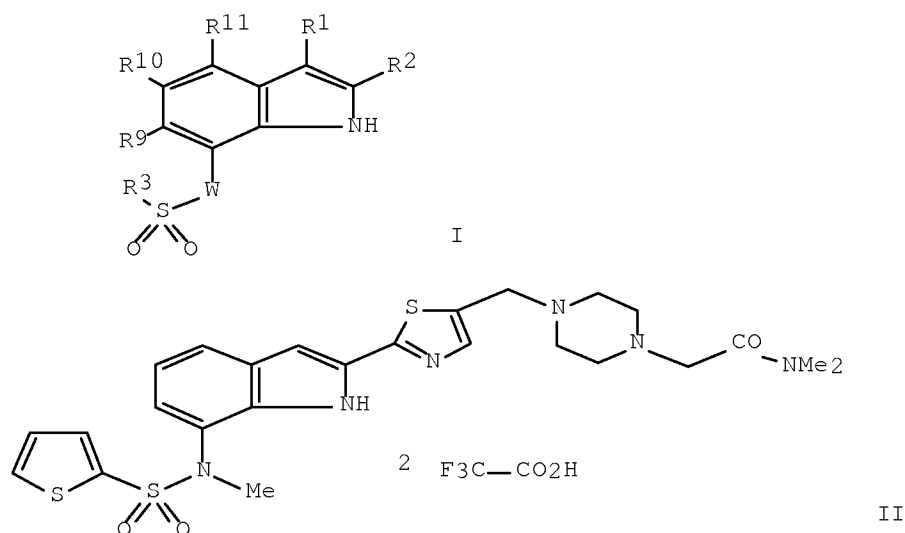
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20080096877	A1	20080424	US 2007-907929	20071018
	US 7652133	B2	20100126		
	AU 2007310064	A1	20080502	AU 2007-310064	20071018
	AU 2007310064	A2	20090604		
	CA 2666973	A1	20080502	CA 2007-2666973	20071018
	WO 2008050821	A1	20080502	WO 2007-JP70772	20071018
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
EP	2074119	A1	20090701	EP 2007-830506	20071018
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS				
JP	2010506825	T	20100304	JP 2009-515658	20071018
US	20090286975	A1	20091119	US 2009-382623	20090319
US	7718798	B2	20100518		
MX	2009003972	A	20090427	MX 2009-3972	20090415
IN	2009KN01819	A	20090612	IN 2009-KN1819	20090515
KR	2009068292	A	20090625	KR 2009-710151	20090518
NO	2009001948	A	20090713	NO 2009-1948	20090519
CN	101573357	A	20091104	CN 2007-80047066	20090619
PRAI	JP 2006-285551	A	20061019		
	US 2007-907929	A3	20071018		
	WO 2007-JP70772	W	20071018		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 148:495789

GI



AB The purpose of the present invention is to provide a glucokinase activator useful as a pharmaceutical agent such as an agent for the prophylaxis or treatment of diabetes, obesity and the like. The present invention provides a glucokinase activator containing a compound represented by the formula I (wherein R<sub>1</sub> is H or halo; R<sub>2</sub> is a substituted thiazole ring, etc.; R<sub>3</sub> is (un)substituted heterocyclic or C<sub>6</sub>-14 aryl group; R<sub>9</sub>, R<sub>10</sub> and R<sub>11</sub> are independently H, halo, (un)substituted C<sub>1</sub>-6 alkyl, etc.; W is O or NR<sub>8</sub> wherein R<sub>8</sub> is H, (un)substituted C<sub>1</sub>-6 alkyl or C<sub>3</sub>-10 cycloalkyl), or a salt thereof or a prodrug thereof. Synthetic methods for preparing I are exemplified. Example compound II, prepared from N-[2-[5-(chloromethyl)-1,3-thiazol-2-yl]-1H-indol-7-yl]-N-methylthiophene-2-sulfonamide and N,N-dimethyl-2-(piperazin-1-yl)acetamide, had an EC<sub>50</sub> of 0.21  $\mu$ M in assay to determine GK activator activity.

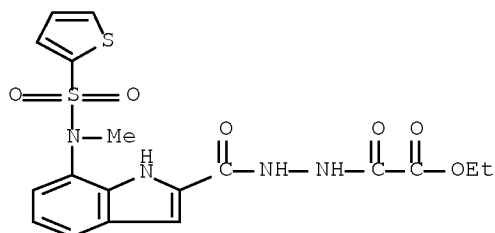
IT 913284-26-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of indole compds. as glucokinase activators for treating diabetes, obesity and the like)

RN 913284-26-1 CAPLUS

CN Ethanedioic acid, 1-ethyl ester, 2-[2-[[7-[methyl(2-thienylsulfonyl)amino]-1H-indol-2-yl]carbonyl]hydrazide] (CA INDEX NAME)



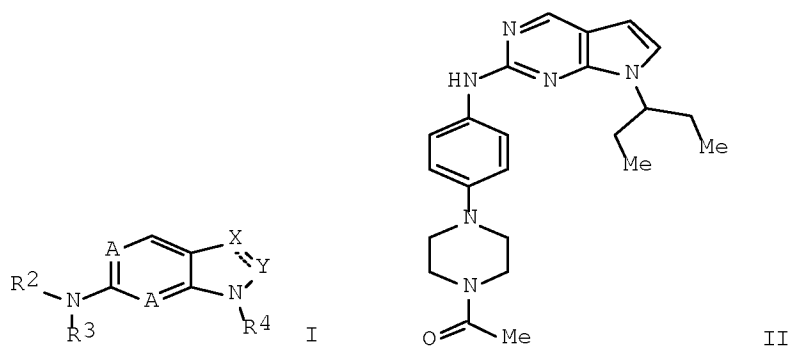
RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 13 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN  
AN 2007:1396515 CAPLUS Full-text  
DN 148:55086  
TI Preparation of pyrrolopyrimidine compounds as protein kinase inhibitors  
IN Brain, Christopher Thomas; Thoma, Gebhard; Sung, Moo Je  
PA Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.; Astex Therapeutics Ltd  
SO PCT Int. Appl., 213 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007140222	A2	20071206	WO 2007-US69595	20070524
	WO 2007140222	A3	20080807		
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA,				
	CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB,				
	GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM,				
	KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG,				
	MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT,				
	RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR,				
	TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
	RW:				
	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,				
	IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF,				
	BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW,				
	GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,				
	BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
	AU 2007267645	A1	20071206	AU 2007-267645	20070524
	CA 2652044	A1	20071206	CA 2007-2652044	20070524
	EP 2029145	A2	20090304	EP 2007-811927	20070524
	R:				
	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,				
	IS, IT, LI, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR,				
	AL, BA, HR, MK, RS				
	JP 2009538341	T	20091105	JP 2009-512291	20070524
	ZA 2008009382	A	20100127	ZA 2008-9382	20081103
	IN 2008DN09406	A	20090327	IN 2008-DN9406	20081110
	MX 2008015076	A	20090305	MX 2008-15076	20081126
	CN 101594871	A	20091202	CN 2007-80019357	20081126
	KR 2009014219	A	20090206	KR 2008-731411	20081224
	US 20090318441	A1	20091224	US 2009-302223	20090824
PRAI	US 2006-808605P	P	20060526		
	WO 2007-US69595	W	20070524		
OS	CASREACT 148:55086; MARPAT 148:55086				
GI					



AB The present application describes organic compds. that are useful for the treatment, prevention and/or amelioration of diseases, particularly pyrrolopyrimidine compds. I [A = N or CR5 (wherein R5 = H or alkyl); R2, R3 = H, OH, alkyl, etc.; R4 = H, alkyl, cycloalkyl, etc.; when the bond between X and Y is a single bond, X = CR6R7, NR8, NR8 or C(O), and Y = CR9C10 or C(O); when the bond between X and Y is a double bond, X = N or CR11, and Y = CR12; R6, R7 = aryl, heteroaryl, alkyl, etc.; R8 = H, alkyl, cycloalkyl; R9, R10 = H, alkyl, cycloalkyl; R11, R12 = halo, H, alkyl, etc.] which inhibit protein kinases. The organic compds. are useful in treating proliferative disease. Over 300 compds. I were prepared For example, Pd-catalyzed coupling of 1-[4-(4-aminophenyl)piperazin-1-yl]ethanone with 2-chloro-7-(1-ethylpropyl)-7H-pyrrolo[2,3-d]pyrimidine afforded II which showed IC50 of <10  $\mu$ M against CDK2/cyclin-A.

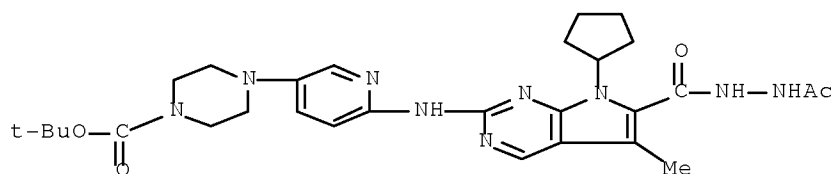
IT 959798-96-0F

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of pyrrolopyrimidines as protein kinase inhibitors useful in treatment and prevention of diseases as well as in combination therapy)

RN 959798-96-0 CAPLUS

CN 7H-Pyrrolo[2,3-d]pyrimidine-6-carboxylic acid,  
7-cyclopentyl-2-[[5-[4-[(1,1-dimethylethoxy)carbonyl]-1-piperazinyl]-2-pyridinyl]amino]-5-methyl-, 2-acetylhydrazide (CA INDEX NAME)



OSC.G 8 THERE ARE 8 CAPLUS RECORDS THAT CITE THIS RECORD (8 CITINGS)

L6 ANSWER 14 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2007:1393179 CAPLUS Full-text

DN 149:556493

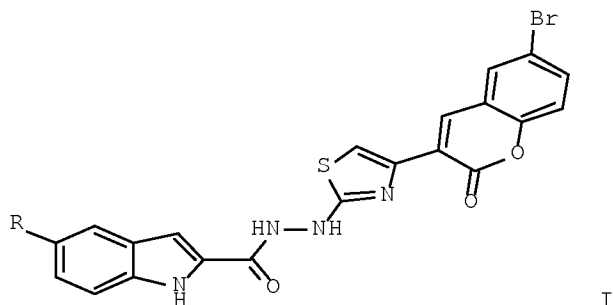
TI Synthesis of some new 5-fluoro/chloro/bromo-N'-(4-aryl-1,3-thiazol-2-yl)-1H-indole-2-carbohydrazide derivatives as possible antifungal and antibacterial agents

AU Ashalatha, B. V.; Narayana, B.; Raj, K. K. Vijaya; Kumari, N. Suchetha

CS Department of Post-Graduate Studies and Research in Chemistry, Mangalore

10/591,895

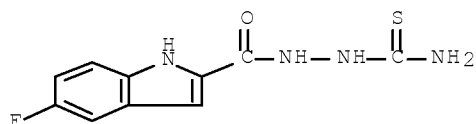
University, Mangalagangothri, 574 199, India  
SO Journal of Pharmacology and Toxicology (2006), 1(6), 552-558  
CODEN: JPTOB4; ISSN: 1816-496X  
PB Academic Journals  
DT Journal  
LA English  
OS CASREACT 149:556493  
GI



AB A series of 5-fluoro/chloro/bromo-N'-(4-aryl-1,3-thiazol-2-yl)-1H-indole-2-carbohydrazide derivs., e.g., I (R = F, Br, Cl), was prepared by treating corresponding 5-fluoro/chloro/bromo thiosemicarbazides with aromatic acyl bromides. The newly synthesized compds. were characterized by anal. and spectral data. All the compds. were screened for antifungal and antibacterial activities. Most of the compds. exhibited promising antimicrobial activity.

IT 1082056-80-1P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation, antifungal and antibacterial activities of arylthiazolyl(indole)carbohydrazide derivs.)

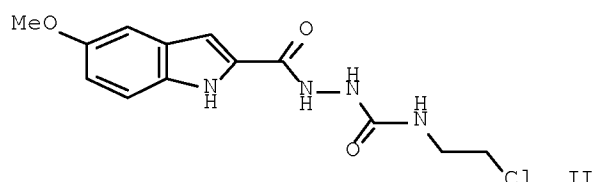
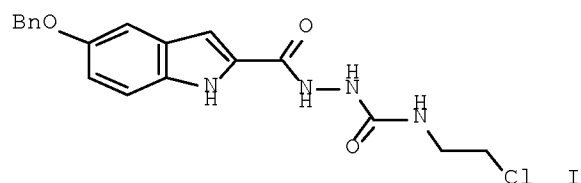
RN 1082056-80-1 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-fluoro-, 2-(aminothioxomethyl)hydrazide (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)  
RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 15 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN  
AN 2007:1188032 CAPLUS Full-text  
DN 148:54830  
TI Design, synthesis and cytotoxic activity of novel 1-aryl-4-(2-chloroethyl)semicarbazides  
AU El-Sadek, M. E.; Aboukull, M. E.; El-Sabbagh, O. I.; Shallal, H. M.  
CS Department of Medicinal Chemistry, Faculty of Pharmacy, Zagazig University, Zagazig, Egypt

SO Pharmaceutical Chemistry Journal (2007), 41(4), 188-192  
 CODEN: PCJOAU; ISSN: 0091-150X  
 PB Springer  
 DT Journal  
 LA English  
 OS CASREACT 148:54830  
 GI



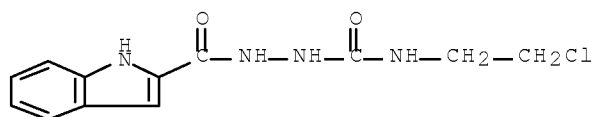
AB A series of aroyl derivs. of 4-(2-chloroethyl)semicarbazide were designed and synthesized to explore their antiproliferative activity against human brain carcinoma (U251) and human liver carcinoma (Hepg2) cell lines. The synthesized compds. were characterized by elemental analyses and spectroscopic data. It was established that compds. in which semicarbazide fragments are substituted with a (2-indolyl)carbonyl moiety showed a higher cytotoxic activity than the corresponding benzoyl derivs. 1-[(5-Benzyloxy-1H-indol-2-yl)carbonyl]-4-(2-chloroethyl)semicarbazide (I) showed the highest cytotoxic activity against Hepg2 (IC<sub>50</sub> = 21 µg/mL), while 4-(2-chloroethyl)-1-[(5-methoxy-1H-indol-2-yl)carbonyl]semicarbazide (II) was the most active compound against U251 (IC<sub>50</sub> = 8 µg/mL).

IT 960157-39-SP

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation, antiproliferative activity, and SAR of  
 aroyl(chloroethyl)semicarbazides)

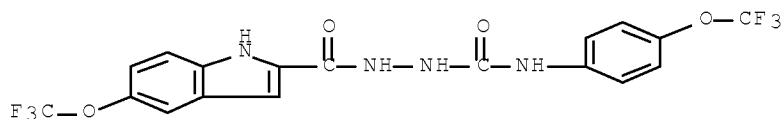
RN 960157-39-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-[[ (2-chloroethyl)amino]carbonyl]hydrazide  
 (CA INDEX NAME)



RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

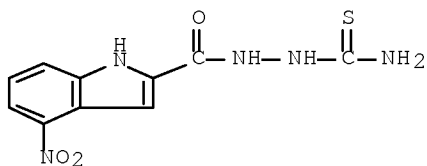
L6 ANSWER 16 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2006:1258655 CAPLUS Full-text  
 DN 146:350573  
 TI Application of linear discriminant analysis in the virtual screening of antichangasic drugs through trypanothione reductase inhibition  
 AU Prieto, Julian J.; Talevi, Alan; Bruno-Blanch, Luis E.  
 CS Medicinal Chemistry, Department of Biological Sciences, Exact Sciences College, La Plata National University (UNLP), Buenos Aires, B1900AVV, Argent.  
 SO Molecular Diversity (2006), 10(3), 361-375  
 CODEN: MODIF4; ISSN: 1381-1991  
 PB Springer  
 DT Journal  
 LA English  
 AB We have performed virtual screening to identify new lead trypanothione reductase inhibitor (TRI) compds. enzyme present in Tripanozoma cruzi, the agent responsible of Chagas disease. From a training set of 58 compds., linear discriminant anal. (LDA) was performed using 2D and 3D descriptors as discriminating variables in order to find out which function of descriptors characterizes the active TRI. The values of the statistical parameters F - Snedecor and Wilk's  $\lambda$  for the discriminant function (DF) showed good statistical significance, as long as the rate of success in the prediction for both the training and the test set: 91.38% and 88.63%, in that order. Internal validation through the Leave - Group - Out methodol. was performed with good results, assuring the stability of the DF. Afterwards, the DF was applied in virtual screening of 422,367 compds. The optimum range of values of octanol - water partition coefficient for a compound to develop trypanothione reductase inhibition was applied as a second filtering criteria. 739 Structurally heterogeneous drugs of the virtual library were selected as promissory TRI.  
 IT 883007-63-4  
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (application of linear discriminant anal. in virtual screening of antichangasic drugs through trypanothione reductase inhibition)  
 RN 883007-63-4 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 5-(trifluoromethoxy)-, 2-[[[4-(trifluoromethoxy)phenyl]amino]carbonyl]hydrazide (CA INDEX NAME)



OSC.G 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)  
 RE.CNT 57 THERE ARE 57 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 17 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2006:1198312 CAPLUS Full-text  
 DN 147:343985  
 TI Synthesis and biological activity of novel 4-/5-/6-/7-nitro-N'-(4-aryl-1,3-thiazol-2-yl)-1H-indole-2-carbohydrazide derivatives  
 AU Ashalatha, B. V.; Narayana, B.; Kumari, N. Suchetha  
 CS Department of Post-Graduate Studies and Research in Chemistry, Mangalore

University, Mangalagangotri, India  
 SO Phosphorus, Sulfur and Silicon and the Related Elements (2006), 181(12),  
 2785-2795  
 CODEN: PSSLEC; ISSN: 1042-6507  
 PB Taylor & Francis, Inc.  
 DT Journal  
 LA English  
 OS CASREACT 147:343985  
 AB New 4-/5-/6-/7-nitro-N'-(4-aryl-1,3-thiazol-2-yl)-1H-indole-2- carbohydrazides  
 were prepared by treating resp. nitro-indole thiosemicarbazide with aromatic  
 acylbromides. The newly synthesized compds. were characterized by anal. and  
 spectral data. The compds. were also screened for antifungal and  
 antibacterial activity. Some of the compds. exhibited promising antimicrobial  
 activity.  
 IT 948914-01-0P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation, antifungal and antibacterial activities of  
 nitro-(aryl-thiazolyl)-indole hydrazide derivs. starting from  
 nitro-indole-hydrazides and potassium thiocyanate via cyclization of  
 thiosemicarbazides with aromatic acyl-bromides)  
 RN 948914-01-0 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 4-nitro-, 2-(aminothioxomethyl)hydrazide (CA  
 INDEX NAME)

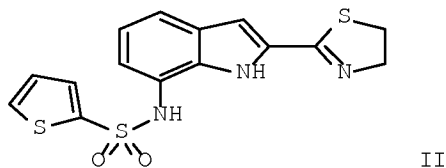
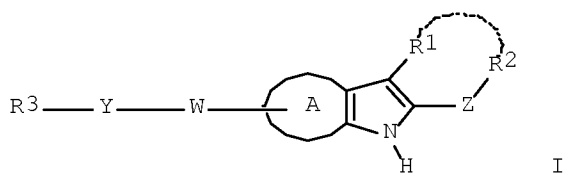


OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)  
 RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 18 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2006:1122595 CAPLUS Full-text  
 DN 145:454930  
 TI Preparation of indoles and related compounds as glucokinase activators  
 IN Yasuma, Tsuneo; Ujikawa, Osamu; Iwata, Hidehisa  
 PA Takeda Pharmaceutical Company Limited, Japan  
 SO PCT Int. Appl., 379pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006112549	A1	20061026	WO 2006-JP308790	20060420
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,				

VN, YU, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM  
 CA 2605778 A1 20061026 CA 2006-2605778 20060420  
 EP 1873144 A1 20080102 EP 2006-732396 20060420  
 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR  
 US 20090247746 A1 20091001 US 2007-918884 20071107  
 PRAI JP 2005-123018 A 20050420  
 JP 2005-359656 A 20051213  
 WO 2006-JP308790 W 20060420  
 ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT  
 OS MARPAT 145:454930  
 GI



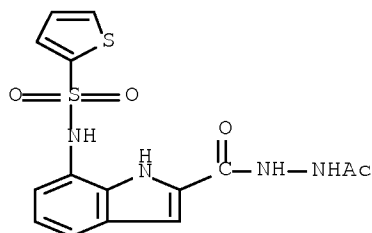
AB Title compds. I [ring A = (un)substituted 6-membered ring; W = O, S(O)m, CR5R6, etc.; m = 0-2; R5, R6 = H, alkyl; Y = bond, CO, S(O)p, etc.; p = 0-2; R3 = (un)substituted hydrocarbon, (un)substituted hydroxy; (un)substituted mercapto, etc.; Z = bond, CO, O, etc.; R1 = H, halo, (un)substituted hydrocarbon, etc.; R2 = H, (un)substituted hydrocarbon, (un)substituted hydroxy, etc.; R1 and R2 may combine to form (un)substituted cycle.], salts or prodrugs thereof were prepared For example, treatment of 7-[(2-thienylsulfonyl)amino]-1H-indole-2- carboxamide, e.g., prepared from 7-[(2-thienylsulfonyl)amino]-1H-indole-2- carboxylic acid Et ester in 2 steps, with trifluoroacetic anhydride, followed by reaction with 2-aminoethanethiol afforded compound II. In glucokinase (GK) activation assays, the EC50 value of compound II was 0.11  $\mu$ M. Compds. I are claimed useful for the treatment of diabetes and obesity.

IT 913284-17-0P  
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (preparation of indoles and related compds. as glucokinase activators for treatment of diabetes and obesity)

RN 913284-17-0 CAPLUS

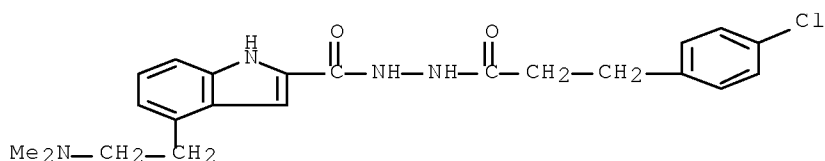
10/591,895

CN 1H-Indole-2-carboxylic acid, 7-[(2-thienylsulfonyl)amino]-,  
2-acetylhydrazide (CA INDEX NAME)



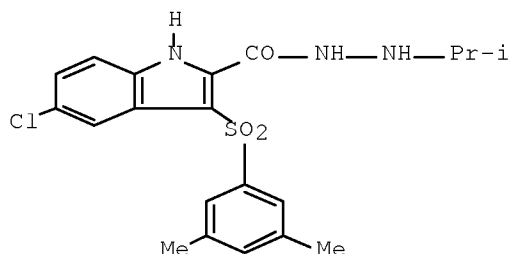
OSC.G 8 THERE ARE 8 CAPLUS RECORDS THAT CITE THIS RECORD (9 CITINGS)  
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 19 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN  
AN 2006:499153 CAPLUS Full-text  
DN 145:167167  
TI Design, synthesis, and biological evaluation of indole derivatives as  
novel nociceptin/orphanin FQ (N/OFQ) receptor antagonists  
AU Sugimoto, Yuichi; Shimizu, Atsushi; Kato, Tetsuya; Satoh, Atsushi; Ozaki,  
Satoshi; Ohta, Hisashi; Okamoto, Osamu  
CS Banyu Tsukuba Research Institute, Ltd, Banyu Pharmaceutical Co., Ltd.,  
Tsukuba, Ibaraki, 300-2611, Japan  
SO Bioorganic & Medicinal Chemistry Letters (2006), 16(13), 3569-3573  
CODEN: BMCLE8; ISSN: 0960-894X  
PB Elsevier B.V.  
DT Journal  
LA English  
OS CASREACT 145:167167  
AB A novel series of 2-(1,2,4-oxadiazol-5-yl)-1H-indole derivs. as  
nociceptin/orphanin FQ (N/OFQ) receptor antagonists was discovered. Systematic  
modification of our original lead by changing the pendant functional groups,  
linker, heterocyclic core, and basic side chain revealed the structure-  
activity requirements for this novel template and resulted in the  
identification of more potent analog with improved potency as compared to the  
parent compound  
IT 900812-90-0P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation of (oxadiazolyl)indole derivs. and their analogs and study of  
their activity as ORL1 (opioid receptor-like-1, nociceptin/orphanin FQ)  
receptor antagonists)  
RN 900812-90-0 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 4-[2-(dimethylamino)ethyl]-,  
2-[3-(4-chlorophenyl)-1-oxopropyl]hydrazide (CA INDEX NAME)



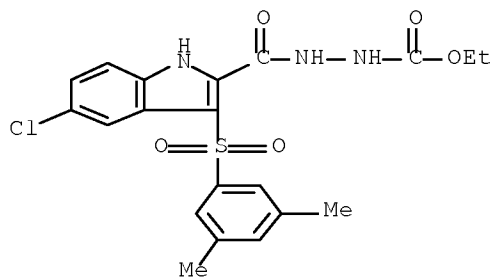
OSC.G 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)  
 RE.CNT 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 20 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2006:413170 CAPLUS Full-text  
 DN 145:95759  
 TI Design, Molecular Modeling, Synthesis, and Anti-HIV-1 Activity of New  
 Indolyl Aryl Sulfones. Novel Derivatives of the Indole-2-carboxamide  
 AU Ragno, Rino; Coluccia, Antonio; La Regina, Giuseppe; De Martino,  
 Gabriella; Piscitelli, Francesco; Lavecchia, Antonio; Novellino, Ettore;  
 Bergamini, Alberto; Ciaprinì, Chiara; Sinistro, Anna; Maga, Giovanni;  
 Crespan, Emanuele; Artico, Marino; Silvestri, Romano  
 CS Dipartimento di Studi Farmaceutici, Istituto Pasteur-Fondazione Cenci  
 Bolognetti, Università di Roma La Sapienza, Rome, I-00185, Italy  
 SO Journal of Medicinal Chemistry (2006), 49(11), 3172-3184  
 CODEN: JMCMAR; ISSN: 0022-2623  
 PB American Chemical Society  
 DT Journal  
 LA English  
 OS CASREACT 145:95759  
 GI



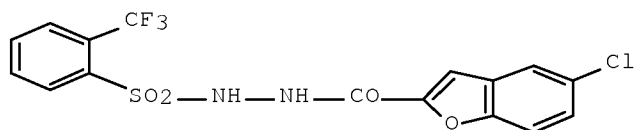
I

AB Mol. modeling studies and an updated highly predictive 3-D QSAR model led to  
 the discovery of exceptionally potent indolyl aryl sulfones (IASs)  
 characterized by the presence of either a pyrrolidin-2-one nucleus at the  
 indole-2-carboxamide or some substituents at the indole-2-carbohydrazide. Two  
 of the compds. were found active in the sub-nanomolar range of concentration  
 in both MT-4 and C8166 cell-based anti-HIV assays. These compds., and in  
 particular compound I, also showed excellent inhibitory activity against both  
 HIV-112 and HIV-AB1 primary isolates in lymphocytes and against HIV WT in  
 macrophages.  
 IT 895152-93-9P  
 RL: PAC (Pharmacological activity); PRP (Properties); RCT (Reactant); SPN  
 (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study);  
 PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (indolyl aryl sulfones with anti-HIV-1 activity)  
 RN 895152-93-9 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 5-chloro-3-[(3,5-dimethylphenyl)sulfonyl]-,  
 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



OSC.G 18 THERE ARE 18 CAPLUS RECORDS THAT CITE THIS RECORD (18 CITINGS)  
 RE.CNT 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

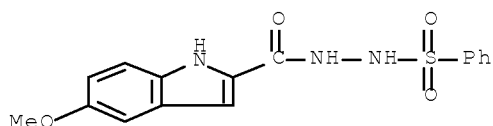
L6 ANSWER 21 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2006:274280 CAPLUS Full-text  
 DN 144:460311  
 TI The design and synthesis of human branched-chain amino acid  
 aminotransferase inhibitors for treatment of neurodegenerative diseases  
 AU Hu, Lain-Yen; Boxer, Peter A.; Kesten, Suzanne R.; Lei, Huangshu J.;  
 Wustrow, David J.; Moreland, David W.; Zhang, Liming; Ahn, Kay; Ryder,  
 Todd R.; Liu, Xiaohong; Rubin, John R.; Fahnoe, Kelly; Carroll, Richard  
 T.; Dutta, Satavisha; Fahnoe, Douglass C.; Probert, Albert W.; Roof, Robin  
 L.; Rafferty, Michael F.; Kostlan, Catherine R.; Scholten, Jeffrey D.;  
 Hood, Molly; Ren, Xiao-Dan; Schielke, Gerald P.; Su, Ti-Zhi; Taylor,  
 Charles P.; Mistry, Anil; McConnell, Patrick; Hasemann, Charles; Ohren,  
 Jeffrey  
 CS Pfizer Global Research and Development, Ann Arbor, MI, USA  
 SO Bioorganic & Medicinal Chemistry Letters (2006), 16(9), 2337-2340  
 CODEN: BMCLE8; ISSN: 0960-894X  
 PB Elsevier B.V.  
 DT Journal  
 LA English  
 OS CASREACT 144:460311  
 GI



I

AB The inhibition of the cytosolic isoenzyme BCAT that is expressed specifically  
 in neuronal tissue is likely to be useful for the treatment of  
 neurodegenerative and other neurol. disorders where glutamatergic mechanisms  
 are implicated. Compound I exhibited an IC<sub>50</sub> of 0.8 μM in the hBCATc assays;  
 it is an active and selective inhibitor. Inhibitor I also blocked calcium  
 influx into neuronal cells following inhibition of glutamate uptake, and  
 demonstrated neuroprotective efficacy in vivo. SAR, pharmacol., and the  
 crystal structure of hBCATc with inhibitor I are described.

IT 22930-51-4P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (design and synthesis of human branched-chain amino acid aminotransferase inhibitors for treatment of neurodegenerative diseases)  
 RN 22930-51-4 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 5-methoxy-, 2-(phenylsulfonyl)hydrazide (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)  
 RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 22 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2005:1193471 CAPLUS [Full-text](#)  
 DN 143:460025  
 TI Antitumor indole and azaindole derivatives useful for treating resistance to antitumor agents and their preparation  
 IN Farina, Carlo; Gagliardi, Stefania; Misiano, Paola; Celestini, Paolo; Zunino, Franco  
 PA Nikem Research S.r.l., Italy; Ori Istituto Nazionale per lo Studio e la Cura dei Tumori  
 SO PCT Int. Appl., 95 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005105213	A2	20051110	WO 2005-EP51908	20050427
	WO 2005105213	A3	20060622		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	IT 2004MI0874	A1	20040730	IT 2004-MI874	20040430
	IT 1356189	B1	20090226		
	AU 2005237788	A1	20051110	AU 2005-237788	20050427
	CA 2564249	A1	20051110	CA 2005-2564249	20050427
	EP 1750687	A2	20070214	EP 2005-743013	20050427
	R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR			

10/591,895

JP 2007535520 T 20071206 JP 2007-510035 20050427  
US 20070248672 A1 20071025 US 2006-579237 20061030  
PRAI IT 2004-MI874 A 20040430  
WO 2005-EP51908 W 20050427  
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT  
OS CASREACT 143:460025; MARPAT 143:460025  
GI

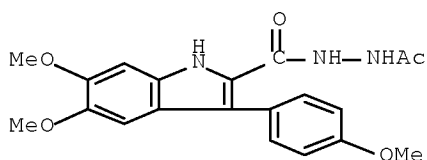
\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB The invention is related to the use of aza/indoles of formula (I) [R1 = H, alkyl, alkoxycarbonylalkyl, etc.; R2 = alk(en)yl, aryl, (un)substituted heterocyclyl, etc.; R3 - R6 = independently H, alkyl, alkoxy, OH, halo, CF3, OCF3; X, Y = independently C, N; A = Ph, 5- to 6-membered heterocyclic ring containing up to 2 heteroatoms selected from N, O, and S] in the treatment of drug resistant tumors. I can be used in monotherapy, as antitumor agents, or in co-therapy, as synergistic enhancers of the action of known antitumor drugs. The invention is also related to the preparation of compds. I and their pharmaceutical compns. For example, dehydration of 5,6-Dimethoxy-3-(4-methoxyphenyl)-1H-indole-2-carboxamide gave II in 53% yield. III displayed an IC50 of 0.500 and 0.644  $\mu$ M for the inhibition of human and bovine V-ATPase activity in vitro. Selected I demonstrated synergistic effects in combination with topotecan both in HT29 and HT29/Mit cells.

IT 869117-48-6F, N'-Acetyl-5,6-dimethoxy-3-(4-methoxyphenyl)-1H-indole-2-carboxylic acid hydrazide  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(intermediate; preparation of antitumor indoles and azaindoles useful for treating resistance to antitumor agents and combination with other agents or radiotherapy)

RN 869117-48-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5,6-dimethoxy-3-(4-methoxyphenyl)-, 2-acetylhydrazide (CA INDEX NAME)

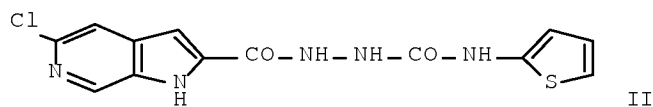
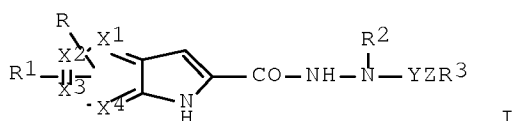


OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)  
RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 23 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN  
AN 2005:1004744 CAPLUS Full-text  
DN 143:306292  
TI Preparation of pyrrolopyridine-2-carboxylic acid hydrazides as glycogen phosphorylase inhibitors  
IN Bradley, Stuart Edward; Jeevaratnam, Revathy Perpetua; Krulle, Thomas Martin; Procter, Martin James; Rowley, Robert John; Thomas, Gerard Hugh; Valdes, Ana

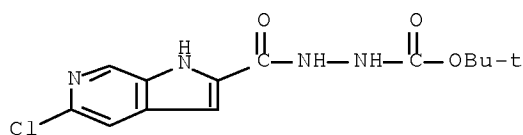
PA Prosidion Limited, UK  
 SO PCT Int. Appl., 43 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005085245	A1	20050915	WO 2005-GB885	20050308
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	EP 1725555	A1	20061129	EP 2005-717953	20050308
	R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, LV, MK, YU			
	JP 2007527904	T	20071004	JP 2007-502390	20050308
	US 20080269277	A1	20081030	US 2007-591895	20071105
PRAI	US 2004-551254P	P	20040308		
	WO 2005-GB885	W	20050308		
OS	CASREACT 143:306292; MARPAT 143:306292				
GI					



AB Title compds. of formula I [one of X1-X4 is N and the others are C; Y = CO, SO<sub>2</sub>, C(NH); Z = alkylene, O, alkyleneoxy, (substituted) NH, etc.; R, R<sub>1</sub> = H, halo, OH, CN, alkyl, alkoxy, CH<sub>2</sub>F, ethenyl, ethynyl, etc.; R<sub>2</sub> = H, alkyl, alkoxycarbonyl, acyl, alkoxy, arylalkyl, etc.; R<sub>3</sub> = H, alkoxycarbonyl, alkoxy, arylalkylthio, arylalkyl, etc.] are prepared as inhibitors of glycogen phosphorylase and are useful in the prophylactic or therapeutic treatment of diabetes, hyperglycemia, hypercholesterolemia, hyperinsulinemia, hyperlipidemia, hypertension, atherosclerosis or tissue ischemia e.g. myocardial ischemia, or as cardioprotectants or inhibitors of abnormal cell growth. Thus, II was prepared from 5-chloro-1H-pyrrolo[2,3-c]pyridine-2-carboxylic acid hydrazide TFA salt (preparation given) and 2-thienyl isocyanate. The prepared compds. had IC<sub>50</sub> values better than 100μM against glycogen phosphorylase.

IT 864547-64-8P  
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (preparation of pyrrolopyridinecarboxylic acid hydrazides as glycogen phosphorylase inhibitors)  
 RN 864547-64-8 CAPLUS  
 CN 1H-Pyrrolo[2,3-c]pyridine-2-carboxylic acid, 5-chloro-,  
 2-[(1,1-dimethylethoxy)carbonyl]hydrazide (CA INDEX NAME)



OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)  
 RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 24 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2005:1004705 CAPLUS Full-text

DN 143:306169

TI Indole-2-carboxylic acid hydrazides

IN Bradley, Stuart Edward; Jeevaratnam, Revathy Perpetua; Krulle, Thomas  
 Martin; Procter, Martin James; Rowley, Robert John; Thomas, Gerard Hugh;  
 Valdes, Ana

PA Prosidion Limited, UK

SO PCT Int. Appl., 27 pp.  
 CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005085194	A2	20050915	WO 2005-GB872	20050308
	WO 2005085194	A3	20060105		
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				
	CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				
	GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,				
	LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI,				
	NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM,				
	SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW:				
	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,				
	AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,				
	EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,				
	RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,				
	MR, NE, SN, TD, TG				
EP	1768957	A2	20070404	EP 2005-717940	20050308
	R:				
	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,				
	IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA,				
	HR, LV, MK, YU				
JP	2007527903	T	20071004	JP 2007-502386	20050308
US	20080188472	A1	20080807	US 2007-592011	20071022
PRAI	US 2004-551255P	P	20040308		
	WO 2005-GB872	W	20050308		
OS	CASREACT 143:306169; MARPAT 143:306169				

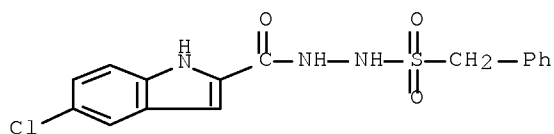
GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Compds. of formula I [wherein Y = -C(O)-, -S(O)<sub>2</sub>-, or -C(NH)-; Z = C1-4alkylene, O, -(CH<sub>2</sub>)<sub>m</sub>O-, -O(CH<sub>2</sub>)<sub>m</sub>, etc. (m = 1-4); R<sub>1</sub>, R<sub>2</sub> = independently halogen, hydroxym cyano, etc.; R<sub>3</sub> = C0-4alkyl, C1-4alkoxyC1-3alkyl-, hydroxyC1-4alkyl, etc.; R<sub>4</sub> = H, -COOC0-4alkyl, C1-4alkyl, etc.] or pharmaceutically acceptable salts thereof, were prepared as inhibitors of glycogen phosphorylase. Thus, a solution of 5-chloro-1H-indole-2-carboxylic acid hydrazide (II) in 1,4-dioxane was treated with phenylmethanesulfonyl chloride and DIPEA for 16H at room temperature to provide 5-chloro-1H-indole-2-carboxylic acid N'-(phenylmethanesulfonyl)hydrazide (III). Compds. of formula I are useful in the prophylactic or therapeutic treatment of diabetes, hyperglycemia, hypercholesterolemia, hyperinsulinemia, hyperlipidemia, hypertension, atherosclerosis or tissue ischemia, e.g. myocardial ischemia, or as cardioprotectants or inhibitors of abnormal cell growth.

IT 864658-78-6P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of indole-2-carboxylic acid hydrazides as inhibitors of glycogen phosphorylase)

RN 864658-78-6 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
 2-[(phenylmethyl)sulfonyl]hydrazide (CA INDEX NAME)



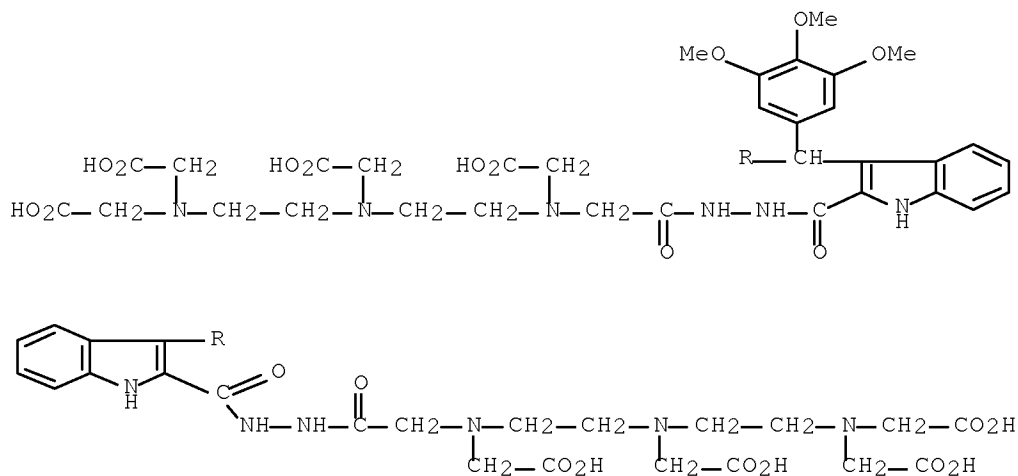
OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)  
 RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 25 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2005:500080 CAPLUS Full-text  
 DN 144:166502  
 TI Contrast agents for magnetic resonance imaging (MRI)  
 AU Kimpe, Kristof; Parac-Vogt, Tatjana N.; Binnemans, Koen  
 CS Departement Chemie, Laboratorium voor Coördinatiechemie, Leuven, 3001, Belg.  
 SO Chemie Magazine (Heverlee, Belgium) (2004), (6), 7-13  
 CODEN: CHMAF2  
 PB Koninklijke Vlaamse Chemische Vereniging  
 DT Journal; General Review  
 LA Dutch  
 AB A review of the development of new contrast agents, incorporation of amphiphilic DTPA derivs. into micelles, self-assembling heteropolymetallic chelates, and studies of the compound KA080402.  
 IT 858352-41-7D, lanthanide complexes  
 RL: DGN (Diagnostic use); BIOL (Biological study); USES (Uses)

(contrast agents for magnetic resonance imaging (MRI))

RN 858352-41-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3,3'-[(3,4,5-trimethoxyphenyl)methylene]bis-,  
2,2'-bis[2-[[[2-[[2-[bis(carboxymethyl)amino]ethyl](carboxymethyl)amino]et  
hyl](carboxymethyl)amino]acetyl]hydrazide] (9CI) (CA INDEX NAME)



L6 ANSWER 26 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2005:452839 CAPLUS [Full-text](#)

DN 143:139048

TI Synthesis, characterization, and pharmacokinetic evaluation of a potential  
MRI contrast agent containing two paramagnetic centers with albumin  
binding affinity

AU Parac-Vogt, Tatjana N.; Kimpe, Kristof; Laurent, Sophie; Vander Elst,  
Luce; Burtea, Carmen; Chen, Feng; Muller, Robert N.; Ni, Yicheng;  
Verbruggen, Alfons; Binnemans, Koen

CS Department of Chemistry, Katholieke Universiteit Leuven, Louvain, 3001,  
Belg.

SO Chemistry--A European Journal (2005), 11(10), 3077-3086

CODEN: CEUJED; ISSN: 0947-6539

PB Wiley-VCH Verlag GmbH & Co. KGaA

DT Journal

LA English

OS CASREACT 143:139048

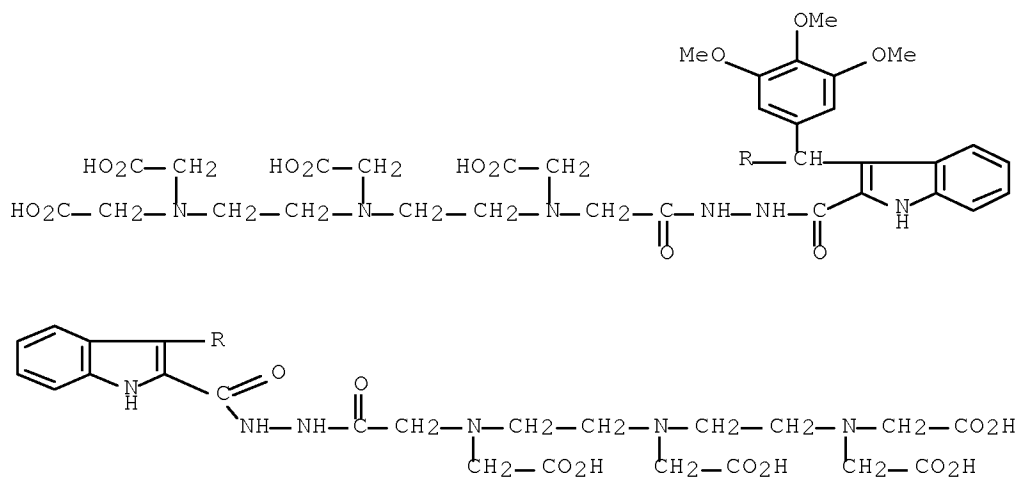
AB A dinuclear gadolinium(III) complex of an amphiphilic chelating ligand, containing two diethylenetriamine-N,N,N',N'',N'''-pentaacetate (DTPA) moieties bridged by a bisindole derivative with three methoxy groups, has been synthesized and evaluated as a potential magnetic resonance imaging (MRI) contrast agent. Nuclear magnetic relaxation dispersion (NMRD) measurements indicated that at 20 MHz and 37°C the dinuclear gadolinium(III) complex has a much higher relaxivity than [Gd(DTPA)] (6.8 vs 3.9 s<sup>-1</sup> mmol<sup>-1</sup>). The higher relaxivity of the dinuclear gadolinium(III) complex could be related to its reduced motion and larger rotational correlation time relative to [Gd(DTPA)]. In the presence of human serum albumin (HSA) the relaxivity value of the noncovalently bound dinuclear complex increased to 15.2 s<sup>-1</sup> per mmol of Gd<sup>3+</sup>, due to its relatively strong interaction with this protein. The fitted value of the binding constant to HSA (K<sub>a</sub>) was found to be 104 M<sup>-1</sup>. Because of its interaction with HSA, the dinuclear complex exhibited a longer elimination half-life from the plasma, and a better confinement to the vascular space compared to the com. available [Gd(DTPA)] contrast agent. Transmetalation of

the dinuclear gadolinium(III) complex by zinc(II) has been investigated. Biodistribution studies suggested that the complex was excreted by the renal pathway, and possibly by the hepatobiliary route. In vivo studies indicated that half of the normal dose of the gadolinium(III) complex enhanced the contrast in hepatic tissues around 40% more effectively than [Gd(DTPA)]. The dinuclear gadolinium(III) complex was tested as a potential necrosis avid contrast agent (NACA), but despite the binding to HSA, it did not exhibit necrosis avidity, implying that binding to albumin is not a key parameter for necrosis-targeting properties.

IT 858352-41-7DP, complex with Gadolinium  
 RL: BSU (Biological study, unclassified); PKT (Pharmacokinetics); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (synthesis and pharmacokinetic evaluation of a potential MRI contrast agent containing two paramagnetic centers with albumin binding affinity)

RN 858352-41-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3,3'-[(3,4,5-trimethoxyphenyl)methylene]bis-, 2,2'-bis[2-[[[2-[[2-[bis(carboxymethyl)amino]ethyl](carboxymethyl)amino]ethyl](carboxymethyl)amino]acetyl]hydrazide] (9CI) (CA INDEX NAME)



OSC.G 16 THERE ARE 16 CAPLUS RECORDS THAT CITE THIS RECORD (16 CITINGS)  
 RE.CNT 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 27 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2004:1089277 CAPLUS Full-text  
 DN 142:254762  
 TI Functional characterization of human neuropeptide Y receptor subtype five specific antagonists using a luciferase reporter gene assay  
 AU Beauverger, Philippe; Rodriguez, Marianne; Nicolas, Jean-Paul; Audinot, Valerie; Lamamy, Veronique; Dromaint, Sandra; Nagel, Nadine; Macia, Christelle; Leopold, Odile; Galizzi, Jean-Pierre; Caignard, Daniel-Henri; Aldana, Ignacio; Monge, Antonio; Chomarat, Pascale; Boutin, Jean A.  
 CS Division de Pharmacologie Moleculaire et Cellulaire, Institut de Recherches Servier, Croissy-sur-Seine, 78 290, Fr.  
 SO Cellular Signalling (2005), 17(4), 489-496  
 CODEN: CESIEY; ISSN: 0898-6568  
 PB Elsevier B.V.  
 DT Journal  
 LA English

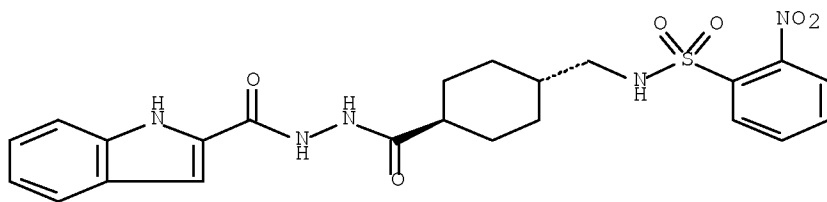
AB Neuropeptide Y (NPY) has several receptors; one of them, the neuropeptide Y5 receptor (NPY5) seems involved in feeding behavior in mammals. Although this particular receptor has been extensively studied in the literature, the difficulties encountered to obtain a stable cell line expressing this recombinant receptor have impaired the development of tools necessary to establish its mol. pharmacol. We thus established a method for the functional study of new ligands. It is based upon the cotransfection in human melatonin receptor 1 (MT1)-overexpressing HEK293 cells of three plasmids encoding melanocortin receptor (MC5), neuropeptide Y5 receptor (NPY5) and a cAMP response element-controlled luciferase. Once challenged with  $\alpha$ MSH, the MC5 receptor activates the cAMP response, through the coupling protein subunit Gs. In contrast, NPY5 agonists, through the NPY5 receptor which is neg. coupled to the same pathway, counteract the  $\alpha$ MSH-mediated effect on cAMP level. Using appropriate controls, this method can pinpoint compds. with antagonistic activity. Simple and straight forward, this system permits reproducible measurements of agonist or antagonist effects in the presence of neuropeptide Y, the natural agonist. This method has the advantage over already existing methods and beyond its apparent complexity, to enhance the cAMP concentration at a physiol.' level, by opposition to a forskolin-induced adenylate cyclase activation. Finally, to further validate this assay, we showed results from (1) a series of natural peptidic agonists that permitted the standardization and (2) a series of potent nonpeptidic antagonists (affinity  $>10^{-9}$  M) that form a new class of active NPY5 receptor antagonists.

IT 845781-17-1  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (characterization of specific antagonists to human NPY receptor subtype 5 (NPY5) using HEK293 cells co-transfected with NPY5, melanocortin receptor and cAMP response element-controlled luciferase reporter gene)

RN 845781-17-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-[[trans-4-[[[(2-nitrophenyl)sulfonyl]amino]methyl]cyclohexyl]carbonyl]hydrazide (CA INDEX NAME)

Relative stereochemistry.



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)  
 RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 28 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2004:756833 CAPLUS Full-text  
 DN 141:272575  
 TI Diacylhydrazine ligands for modulating expression of transgenes via  
 chimeric ecdysone receptor complexes  
 IN Hormann, Robert Eugene; Potter, David W.; Chortyk, Orestes; Tice, Colin  
 M.; Carlson, Glenn Richard; Meyer, Andrew; Opie, Thomas R.  
 PA Rheogene, Inc., USA  
 SO PCT Int. Appl., 231 pp.  
 CODEN: PIXXD2

DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004078924	A2	20040916	WO 2004-US5912	20040227
	WO 2004078924	A3	20050519		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI			
	RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 7456315	B2	20081125	US 2004-787906	20040226
	US 20060020146	A1	20060126		
	AU 2004217510	A1	20040916	AU 2004-217510	20040227
	CA 2516993	A1	20040916	CA 2004-2516993	20040227
	EP 1601642	A2	20051207	EP 2004-715710	20040227
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
	JP 2007524595	T	20070830	JP 2006-508884	20040227
PRAI	US 2003-455741P	P	20030228		
	US 2004-787906	A	20040226		
	WO 2004-US5912	A	20040227		

# ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 141:272575

AB The present invention relates to non-steroidal diacylhydrazine ligands AC(:X)N(G)N(E)C(:X')B [A = (substituted)Ph; B = A, (substituted)-6-membered heterocycle, 5-benzimidazolyl, 1H-indazole-3-yl, 1H-indole-2-yl, etc.; E = (substituted)-C4-10-branched alkyl; G = H, CN; X,X' = O, S] for use in nuclear receptor-based inducible gene expression systems. A method to modulate exogenous gene expression is disclosed in which an ecdysone receptor complex comprising (1) a DNA binding domain, (2) a ligand binding domain, (3) a transactivation domain, (4) and a diacylhydrazine ligand is contacted with a DNA construct comprising the exogenous gene and a response wherein binding of the ecdysone receptor complex to the response element in the presence of the ligand results in activation or suppression of the gene. A method for synthesizing the diacylhydrazines is further disclosed. Thus, 2-Et-3-MeO-benzoic acid N'-t-Bu hydrazide was reacted NaH, then pyrazine-2-carboxylic acid pentafluorophenyl esters was added to prepare pyrazine-2-carboxylic acid N-t-Bu-N'-(2-Et-3-MeO-benzoyl)hydrazide. Many diacylhydrazines were synthesized and their water solubility and cell permeation coeffs. were determined These ligands were tested in mammalian cells expressing an ecdysone receptor complex and a reporter gene. The receptor complex contained a first protein containing domains from spruce budworm ecdysone receptor fused to a GAL4 DNA binding domain and a second protein containing domains from human RXR $\beta$  and Locusta USP fused to the VP16 transactivation domain. The reporter gene construct consisted of GAL4 response elements fused to a synthetic TATA minimal promoter upstream of a luciferase gene. Similar expts. were conducted in vivo (in mice).

IT 755012-93-2P

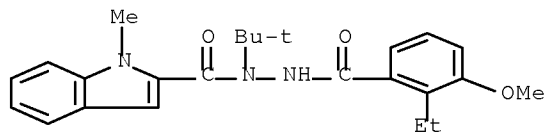
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(diacylhydrazine ligands for modulating expression of transgenes via chimeric ecdysone receptor complexes)

RN 755012-93-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 1-methyl-,  
1-(1,1-dimethylethyl)-2-(2-ethyl-3-methoxybenzoyl)hydrazide (CA INDEX

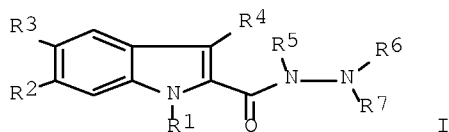
NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)  
 RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 29 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2003:356418 CAPLUS Full-text  
 DN 138:368761  
 TI Preparation of indole derivatives as inhibitors of human liver glycogen  
 phosphorylase a  
 IN Nakamura, Takeshi; Takagi, Masaki; Ueda, Nobuhisa  
 PA Japan Tobacco Inc., Japan  
 SO PCT Int. Appl., 237 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003037864	A1	20030508	WO 2002-JP11234	20021029
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2465382	A1	20030508	CA 2002-2465382	20021029
	AU 2002344600	A1	20030512	AU 2002-344600	20021029
	JP 2003201279	A	20030718	JP 2002-315100	20021029
	EP 1452526	A1	20040901	EP 2002-777995	20021029
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
	US 20050054696	A1	20050310	US 2004-493853	20041021
PRAI	JP 2001-331501	A	20011029		
	WO 2002-JP11234	W	20021029		
OS	MARPAT 138:368761				
GI					



AB The title compds. I [R1 = H, alkyl, etc.; R2 = H, halo; R3 = halo, alkyl, etc.; R4 = H, alkyl; R5 = H, alkyl, alkoxycarbonyl; R6 = H, alkyl, etc.; R7 = C(:X)AB; X = O, etc.; A = NR8, etc.; R8 = H, alkyl, etc.; B = (un)substituted Ph, etc.] are prepared I are useful in the treatment of diabetes. Compds. of this invention in vitro showed IC50 values of 0.010  $\mu$ M to > 0.1  $\mu$ M against human liver glycogen phosphorylase a.

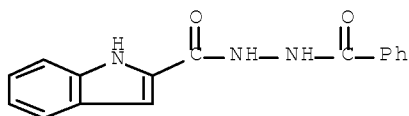
IT 37574-79-1F

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of indole derivs. as inhibitors of human liver glycogen phosphorylase a)

RN 37574-79-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-benzoylhydrazide (CA INDEX NAME)



OSC.G 13 THERE ARE 13 CAPLUS RECORDS THAT CITE THIS RECORD (18 CITINGS)  
 RE.CNT 71 THERE ARE 71 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

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